

Service Manual

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CAUTION

Before servicing the chassis, read the "Safety Precaution", "X-Ray Radiation Precaution" and "Product Safety Notice" on Page 2 of this manual."

X-RAY RADIATION PRECAUTION

- Excessive high voltage can produce potentially hazardous X-Ray Radiation. To avoid such hazards, the high voltage must not be above the specificed limit. The normal value of the high voltage of this receiver is 24KV at zero beam current (minimum brightness) under 220V AC power source. The high voltage must not, under any circumstances, exceed 25KV.
- Each time a receiver requires servicing, the high voltage should be checked following the High Voltage Check procedure
 in this manual. It is recommended the reading of the high voltage be recorded as a part of the service record. It is important to use an accurate and reliable high voltage meter.
- 3. The primary source of X-Ray Radiation in this TV Receiver is the picture tube. For continued X-Ray Radiation protection, the replacement tube must be exactly the same type tube as specified in the parts list.
- 4. Some parts in this receiver have special safety related characteristics for X-Ray Radiation protection. For continued safety, parts replacement should be undertaken only after referring to the Product Safety Notice below.

SAFETY PRECAUTION

Warning: Service should not be attempted by anyone unfamiliar with the necessary precautions on this receiver.

The following are the necessary precautions to be observed before servicing this chassis.

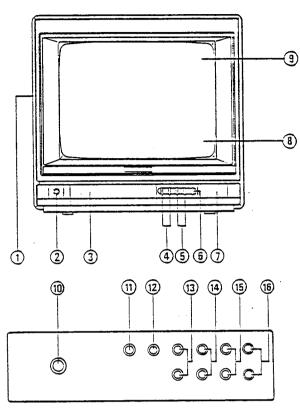
- 1. Since the power supply circuit of this receiver is directly connected to the AC power line, an isolation transformer should be used during any dynamic service to avoid possible shock hazard.
- 2. Always discharge the picture tube anode to the CRT conductive coating before handling the picture tube. The picture tube is highly evacuated and if broken, glass fragments will be violently expelled. Use shatter proof goggles and keep picture tube away from the unprotected body while handling.
- 3. When replacing a chassis in the cabinet, always be certain that all the protective devices are put back in place, such as; non-metallic control knobs, insulating covers, shields, isolation resistor-capacitor network etc.
- 4. When replacing parts or circuit boards, disconnect the power cord.
- 5. When replacing a high wattage resistor (Metal oxide film resistor) on circuit board, keep the resistor 10mm (1/2 in.) away from circuit board.
- 6. Connection wires must be kept away from components with high voltage or high temperature.
- 7. If any fuse in this TV receiver is blown, replace it with the FUSE specified in the chassis parts list.
- 8. The receiver is designed to operate with 220V (50Hz) AC mains.

PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These characteristics are often passed unnoticed by a visual inspection and the X-Ray Radiation protection afforded by them cannot necessarily be obtained by using replacement components rated for higher wattage, etc. Replacement parts which have these special safety characteristics are identified in this manual and its supplements, electrical components having such features are marked with $^{\prime\prime}$ $^{\prime\prime}$ on the schematic diagram and the part list.

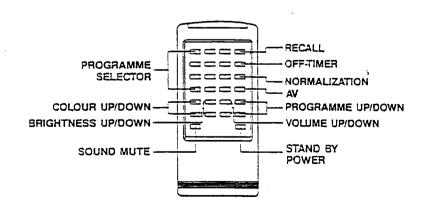
Before replacing any of these components, read the parts list in this manual carefully. The use of substitute replacement parts which do not have the same safety characteristics as specified in the parts list may create shock, fire, X-Ray Radiation or other hazards.

OPERATION CONTROLS



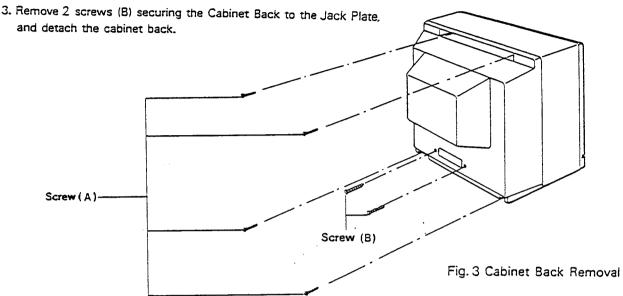
INSIDE THE PRESET DOOR

- **O SPEAKER**
- **10 POWER SWITCH**
- **O PRESET DOOR**
- **O VOLUME CONTROL BUTTONS (UP/DOWN)**
- **9 PROGRAMME SELECTOR BUTTONS (UP/DOWN)**
- @ STAND-BY POWER
- **10 INFRA-RED RECEIVING WINDOW**
- **O VOLUME LEVEL INDICATOR**
- **© PROGRAMME POSITION INDICATOR**
- @ CONTRAST CONTROL
- @ AV KEY
- @ AFT ON
- © AUTO SEARCH BUTTONS (UP/DOWN) © FINE TUNNING BUTTONS (UP/DOWN)
- @ COLOUR CONTROL BUTTONS (UP/DOWN)
- @ BRIGHTNESS CONTROL BUTTONS (UP/DOWN)



CABINET BACK REMOVAL

- 1. Disconnect the antenna leads from the antenna terminals.
- 2. Remove 4 screws (A) securing the Cabinet Back to the Cabinet Front



CHASSIS REMOVAL

Following the steps under Cabinet Back Removal, proceed as follows:

1. Unplug the CRT grounding wire socket connected to the CRT Socket Board.

2. Detach the picture tube anode cap.

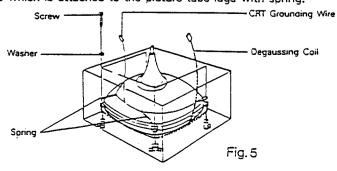
Notice: Certainly discharge the high potential of the picture tube anode to the receiver chassis before removing the anode cap.

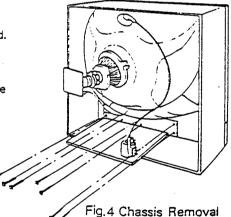
- 3. Detach the CRT Socket (CRT Socket Board).
- 4. Take out the chassis for the front cabinet.
- 5. Remove 7 screws securing the Control Board to the Cabinet Front.
- 6. Take out the control board from the front cabinet.

PICTURE TUBE REMOVAL

Following the steps under CHASSIS REMOVAL proceed as follows:

- 1. Place the cabinet with the front down on a rolled pad or some suitable cushion placed, near the top edge of the front panel.
- 2. Remove 4 screws securing the picture tube to the cabinet, and detach the CRT with the degaussing coil, then grasp the face plate edge of the picture tube with both hands and take out the picture tube.
- 3. Detach the CRT grounding wire which is attached to the picture tube lugs with spring.





GENERAL ADJUSTMENT INSTRUCTION

This receiver is transistorized and special care should be taken when servicing. Read the following matters that demand special attention before attempting adjustment.

- 1. Adjustment requires an exact procedure and should be unertaken only when necessary.
- 2. An isolation transformer should be used during any dynamic service to avoid possible shock hazard.
- 3. The test equipment specified or its equivalent is required to perform the alignment properly. Use of equipment which does not meet these requirements may result in improper alignment.
- 4. Correct matching of the equipment is essential. Failure to use proper matching will result in responses which can not represent the ture operation of the receiver.
- 5. The AC power line voltage should be kept 215 to 225 volts (50Hz) during alignment.
- 6. Do not attempt to connect or disconnect any wire while the receiver is in operation. Make sure the power cord is disconnected before replacing parts in the receiver.
- 7. Unless otherwise noted, do not perform any adjustment until the receiver has been turned on for at least 10 minutes.

I. Picture And Sound I.F. Adjustment

Test Equipment:

- 1. AM/FM signal generator (4.5MHz 6.5MHz).
- 2. Sweep/Marker signal operator (30 MHz 60 MHz).
- 3. Sync. oscilloscope.
- 4. Oscilloscope (volt sensitivity over 10mV and input impedance over 1 Mohm, below 10PF).
- 5. Probe (Low capacitance).
- 6. High impedance electronic voltmeter on VTM (Input impedance having 100K ohm/V at least).
- 7. DC power supply (Source such as a battery or a well regulated and isolated DC bias supply).

(A) 31.9MHz, 40.4MHz Traps, Picture I.F. And AFC Adjustment

- (a)_31.9MHz, 40.4MHz Traps Alignments (This alignment for the model with FTZ Type only.)
 - 1. Connect the signal output of sweep/marker generator to the Tp of Tuner through 1 K ohm resistor and 1000PF capacitor. (See Fig.8.).
 - Connector the external detecting circuit bewteen the syncoscilloscope input and TP 101 (Q101 Collector). (See Fig. 9.).
 - 3. Apply +16.5V DC across C314 on Main Board.
 - 4. Tune T105 for maximum attenuation of 31.9MHz as shown in Fig.10.
 - 5. Tune T106 for maximum attenuation of 40.4MHz as shown in Fig. 10.

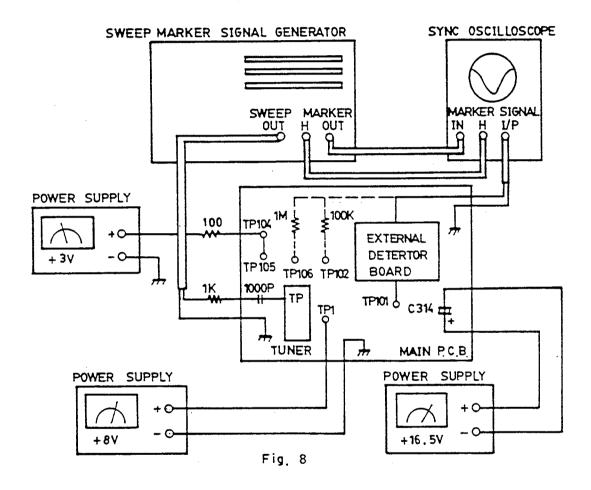
(b) P.I.F. Alignment:

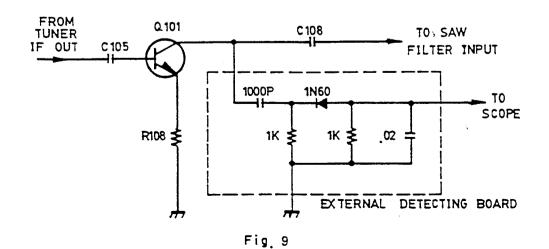
- 1. Remove the external detecting circuit from Main Boand.
- 2. Reconnect the sync oscillossople input with look ohm resistor in series to TP102
- 3. Apply a +8V DC dummy AGC bias to TP103 (pin 5 of IC101) throught 470 ohm resistor.

- Apply a +3V DC to TP104 (pin 3 of IC405) and TP105 (pin 4 of IC405). through 100 ohm.
- 5. Tune T102 for maximum gain of 38.9MHz as shown in Fig.11.
- 6. Tune T101 for maximum gain of 34.47MHz as shown in Fig. 11.

(c) AFC Alignment

- 1. Reconnect the sync oscilloscople input with 1M ohm resistor in series to TP106 (pin 14 of IC101).
- 2. Adjust T103 for the marker (38.9MHz) of AFC wave form at position. (See Fig.12.) the centre.





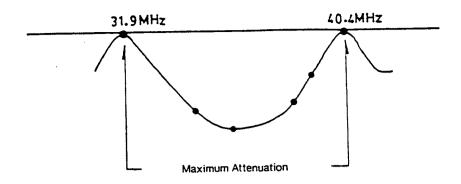


Fig. 10. 31.9, 40.4MHz Traps Resoponse Curve

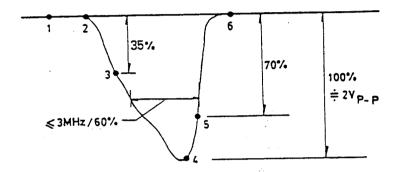


Fig. 11. P.I.F. Response Curve

P.I.F. RESPONSE:

No	Marker of B/G
1	31.9 MHz
2	33.4 MHz
3	34.47 MHz
4	37.9 MHz
5	38.9 MHz
6	40.4 MHz

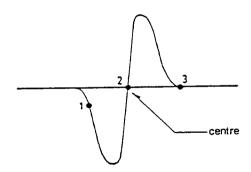


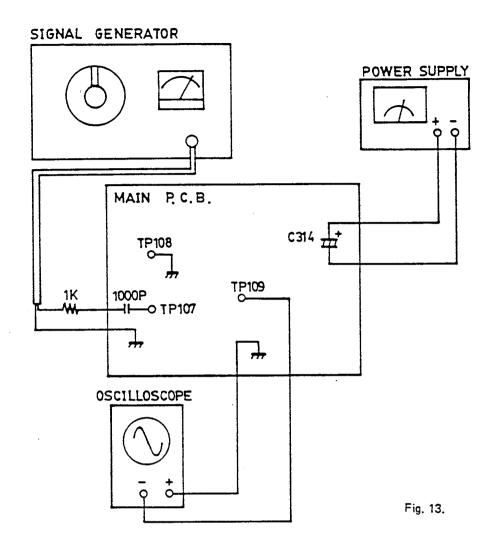
Fig. 12. AFC Response Curve.

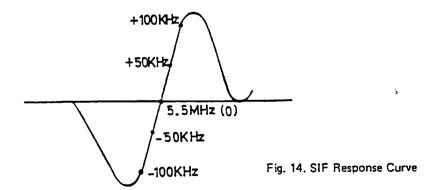
AFC Response

No	Marker of B/G
1	37.9 MHz (+)
2	38.9 MHz (0)
3	40.4 MHz (-)

(B) S.I.F. Alignment

- The signal from AM/FM signal generator which is set at 5.5MHz with AF400Hz, 30% FM modulation, is applied to TP107 (between C127 and C128) through a 1K ohm resistor and a 1000pf capacitor as shown in Fig. 13.
- 2. Short TP103 (pin 5 of IC101) to ground.
- 3. Connect the oscilloscope input to TP109 (pin 23 of IC101)
- Apply a +16.5V DC across C314 (TP108).
- 5. Adjust T104 for the marker (5.5MHz) of SIF waveform at the centre position Fig. 14.





II. General Adjustment

1. Automatic Degaussing

An automatic degaussing coil is attached around the picture tube, degaussing the tube properly in about one second after the set is switched on. If the receiver is moved or faced in a different direction, the power must be switched off at least 15 minutes in order that the automatic degaussing circuit operates properly. External degaussing is necessary if the automatic degaussing proves ineffective after the set is moved. External degaussing is done by moving a degaussing circlewise in front of the face plate and then switch off the degaussing coil. If residual colour spots are still found on the screen, adjust the color purity and convergence.

2. B +(110V) Adjustment

CAUTION: To avoid X-Ray hazards, B+ voltage must be set correctly at 110V position.

- (a) Make sure the AC Power supply is 220V, 50Hz.
- (b) Switch on the TV Receiver, tune in an active channel and adjust Brightness/Contrast for maximum.
- (c) Connect TP 601 (Q606 Emitter) on the Main PCB to a reliable DC voltmeter.
- (d) Adjust VR601 on Main PCB for B +110V voltage reading.

3. High Voltage Check

CAUTION: There is no high voltage adjustment in this chassis, B+ 110V voltage directly relates to the high voltage, it must be properly adjusted to insure the correct high voltage. The high voltage must not exceed 25 KV under any conditions.

- (a) Connect an accurate high voltage meter to the second anode cap of the picture tube.
- (b) Turn on the receiver, set Brightness the Contrast controls to minimum. (Zerobeam current)
- (c) Make sure the high voltage does not exceed 24KV.
- (d) No matter whether the luminance, contrast and chrominance controls are set to maximum or minimum, the high voltage must be kept under 25KV.

4. Focusing Adjustment

- (a) Receive the philips pattern signal
- (b) Set the contrast control to the maximum position.
- (c) Adjust fours control of flyback tranformer for a well-defined, sharpest display in the centre of the screen.

5. Height Adjustment

- (a) Receive the philips pattern signal.
- (b) Adjust the height control (VR205) to slightly overscan the screen.

6. Horizontal Position

- (a) Receive the philips pattern.
- (b) Adjust horizontal hold control (VR203) to the centre

7. Vertical Hold Adjustment

- (a) Receive the philips patten.
- (b) Short TP201 (pin 37 of IC202) to GND by jumper wire.
- (c) Connect a frequency counter to TP202 (between C306 and C307).
- (d) Adjust Vertical Hold control (VR204) for 45-46Hz reading.

8. Colour Syne Adjustment

- (a) Tune in a colour bar signal.
- (b) Set the colour control to maximum.
- (c) Cut off the colour killer by connection the TP203 (pin 2 of IC202) and TP204 (pin 12 of IC202) with 10K ohm resistor.
- (d) Short TP205 (L206) to GND by jumper wire.
- (e) Adjust the colour sync variable capacitor (C242) for the colour bar pattern stand still or drifty slowly across the picture screen.

9. PAL Matrix Adjustment

- (a) Tune in a colour bar signal
- (b) Use oscilloscope with 2 channels input and set to "X Y" mode.
- (c) Channel 1 (x) is connected to TP206 (pin 21 of IC202) (R Y)
- (d) Channel 2 (Y) is connected to TP207 (pin 22 of IC202) (B Y)
- (e) Adjust amplitude balance VR202 until the centre points of the two wave forms bring together (Fig.15.)
- (f) Adjust T205 until all other points of two waveforms bring together (Fig.15.)
- (g) Adjust T206 to obtain the maximum hexagon.

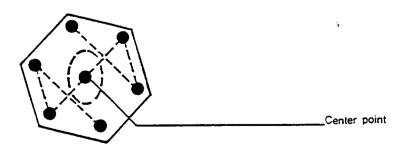


Fig. 15 Matrix Vector Diagram.

10. Delay AGC Adjustment

- (a) Tune in the colour bar pattern signal
- (b) Set input signal level at 60 dB
- (c) Connect a high impedance DC Voltmeter to tuner AGC terminal.
- (d) Adjust RF AGC control (VR101) for 5.2V ±0.2V reading.
- (e) Increase input signal level to 100 dB.
- (f) Check for normal picture, sound and sync.

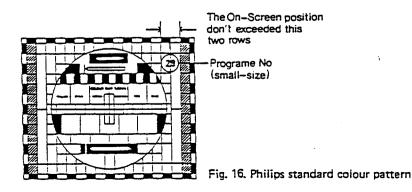
11. White Balance Adjustment

- (a) Receive a monochrome signal and warm up the set for 15 minutes.
- (b) Set the R.G.B. cut-off (VR501, VR503, VR505) at the centre position.
- (c) Rotate the G.B. drive controls (VR502, VR504) fully counter-clockwise first, then clockwise rotate back to 1/3 position.
- (d) Turn the screen control to minimum position.
- (e) Disconnect the Y signal output terminal connector.
- (f) Short TP202 (between C306 and C307) to GND by jumper wire.
- (g) Rotate the screen control gradually clockwise until the first horizontal line appears on the screen.
- (h) It the first horizontal line is in red, adjust VR503, VR504 to increase the green and blue component level to get a white horizontal line.
- (i) Remove the Jumper wire, connect back the Y signal output terminal and switch back to TV.
- (j) Receive the philips pattern signal and set the contrast colour control to minimum and brightness control to maximum
- (k) Adjust VR502, VR504 to maintain a good white balance at the brightest part of screen.

12. On-Screen Position Adjustment

- (a) Select the position "29" by the programme button (+ or -).
- (b) Tune in the philips pattern signal.
- (c) Press the "Recall" button once, the large character size of programme No. will be changed to small size for approx.

 3 seconds.
- (d) Adjust C413 for the programme No "29" (small size) position as shown in Fig.16.



13. Sub-Brightness Adjustment

- (a) Receive the philips pattern signal.
- (b) Set the contrast, Brightness and colour controls to minimum position.
- (c) Adjust sub-brightness (VR404) until light just appears on the screen.

111. Color Purity And Convergence Adjustment

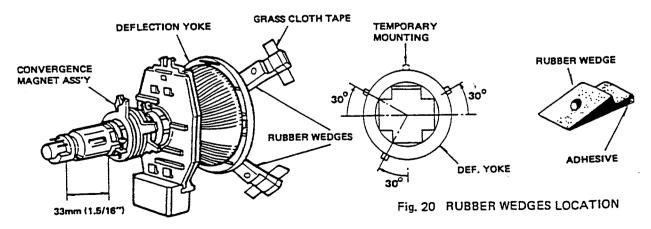
1. Color Purity Adjustment

NOTE: Before attempting any purity adjustments, the receiver should be operated for at least fifteen minutes.

- (a) Demagnetize the picture tube and cabinet using a degaussing coil.
- (b) Turn the Contrast and Brightness controls to maximum.
- (c) Adjust Red and Blue controls (VR501) and (VR505); to provide only a green raster. Advance the Green Bias control (VR502) if necessary.
- (d) Loosen the clamp screw holding the yoke backward to provide vertical green belt (Zone) in the picture screen.
- (e) Remove the Rubber Wedges.
- (f) Rotate and spread the tabs of the purity magnet (see Fig.21.) around the neck of the picture tube until the green belt is in centre of the screen. At the same time, centre the raster vertically.
- (g) Move the yoke slowly forward or backward until a uniform green screen is obtained. Tighten the clamp screw of the yoke temproarily.
- (h) Check the purity of the red and blue raster by adjusting the Bias controls.
- (i) Obtain a white raster, referring to white balance adjustment.
- (i) Proceed with convergence adjustment.

2. Convergence Magnet Assembly Positioning

Convergence Magnet Assembly and Rubber Wedges need mechanical positioning following Fig. 20.



3. Centre Convergence Adjustment

NOTE: Before attempting any convergence adjustments, the receiver should be operated for at least fifteen minutes.

- (a) Receive crosshatch pattern with a color bar signal generator.
- (b) Adjust the Brightness and Contrast controls for well defined pattern.

- (c) Adjust two tabs of the 4 Pole Magnets to change the angle between them (see Fig. 21.) and superimpose red and blue vertical lines in the centre area of the picture screen. (See Fig. 22.)
- (d) Turn both tabs of the 4 Pole Magnets to change the angle to superimpose red and blue horizontal lines at the centre of screen (See Fig. 21.)
- (f) Repeat adjustments 3, 4, 5, keeping in mind red, green and blue movement, because 4 Pole Magnets and 6 Pole Magnets interact and make dot movement complex.

4. Circumference Convergence Adjustment

NOTE: This adjustment requires Rubber Wedges and Glass Cloth Tapes.

- (a) Loosen the clamping screws of deflection yoke to allow the yoke to tilt.
- (b) Place a wedge as shown in Figure 6 temporarily. (Do not remove cover paper on adhesive part of the wedge).
- (c) Tilt front of the deflection yoke up or down to obtain better convergence in circumferenc. (See Fig. 22.) Push the mounted wedge into the space between picture tube and the yoke to hold the yoke temporarily.
- (d) Place other wedge into bottom space and remove the cover paper to stick.
- (e) Tilt front of the yoke right or left obtain better convergence in circumference. (See Fig. 22.)
- (f) Hold the yoke position and put another wedge in either upper space. Remove cover paper and stick the wedge on picture tube to hold the yoke.
- (g) Detach the temporarily mounted wedge and put it in anothe upper space. Stick it on picture tube to fix the yoke.
- (h) After placing three wedges, recheck over all convergence. Tighten the screw firmly to hold the yoke tightly in place.
- (i) Stick 3 grass cloth tapes on wedges as shown in Figure 20.

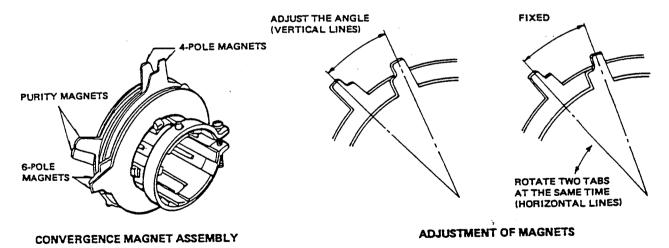
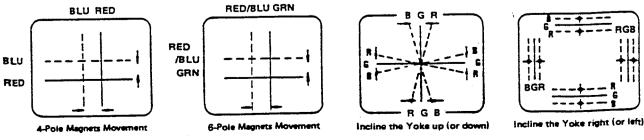


Fig. 21.



Center Convergence by Convergence Magnets

Circumference Convergence by DEF Yoke

IV. Colour Decoder Adjustment For SECAM System

1. Bell Filter Adjustment

- (a). Apply a SECAM colour bar signal (60dB level) to the input.
- (b). Connect an oscilloscope to Pin 27 of IC201.
- (c). Adjust T203 to make the envelop of colour bar signal into flat. (Fig. 23)

THE ENVELOP OF COLOUR BAR SIGNAL

SECAM COLOUR BAR SIGNAL Fig. 23.

2. Identifier Adjustment

- (a). Apply a SECAM colour bar signal (60dB level) to the input.
- (b). Connect a high impedance DC Voltmeter to Pin 26 of IC201.
- (c). Adjust T204 to the indent filter voltage into maximum value (~10V).

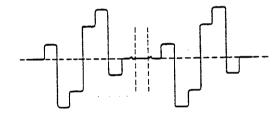
3. B-Y Demodulation

- (a). Apply a SECAM colour bar signal to the input.
- (b). Set Brightness, Contrast and Colour controls to the maximum.
- (c). Connect an oscilloscope to Pin 2 of socket H.
- (d). Adjust T201 to obtain a B-Y signal with correct chrominance output, as shown in Fig. 24.

B-Y SIGNAL Fig. 24.

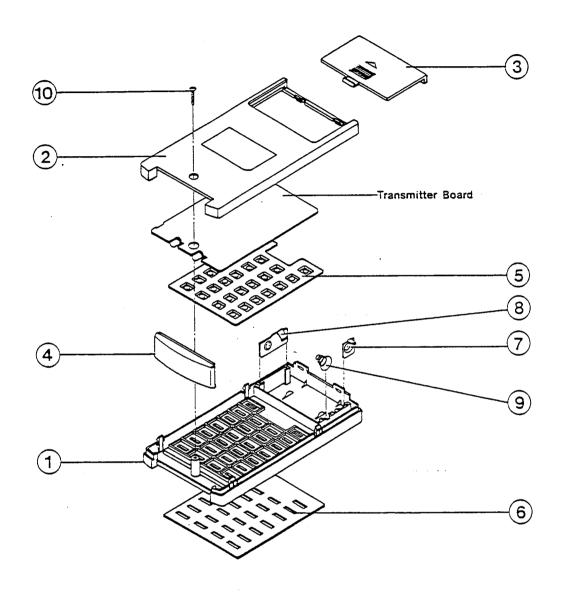
4. R-Y Demodulation

- (a). Apply a SECAM colour bar signal.
- (b). Set Brightness, Contrast and Colour controls to maximum.
- (c). Connect an oscilloscope to Pin 3 of socket H.
- (d). Adjust T202 to obtain an R-Y signal with correct chrominance output, as shown in Fig. 25.



R-Y SIGNAL Fig. 25.

REMOTE CONTROL UNIT

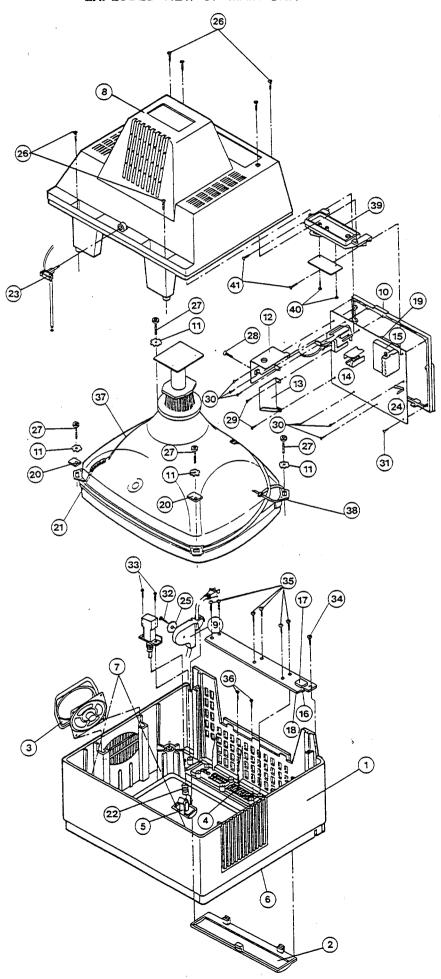


MECHANICAL PART LIST

ITEM	PART NO.	DESCRIPTION	
1.	A01-A0078-01	Top Cabinet	
2.	A01-A0079-01	Bottom Cabinet	
3.	A01-A0080-00	Battery Door	
4.	A01-A0081-00	Infrared Lens	
5.	D01-A0020-00	Rubber Contact Plate	

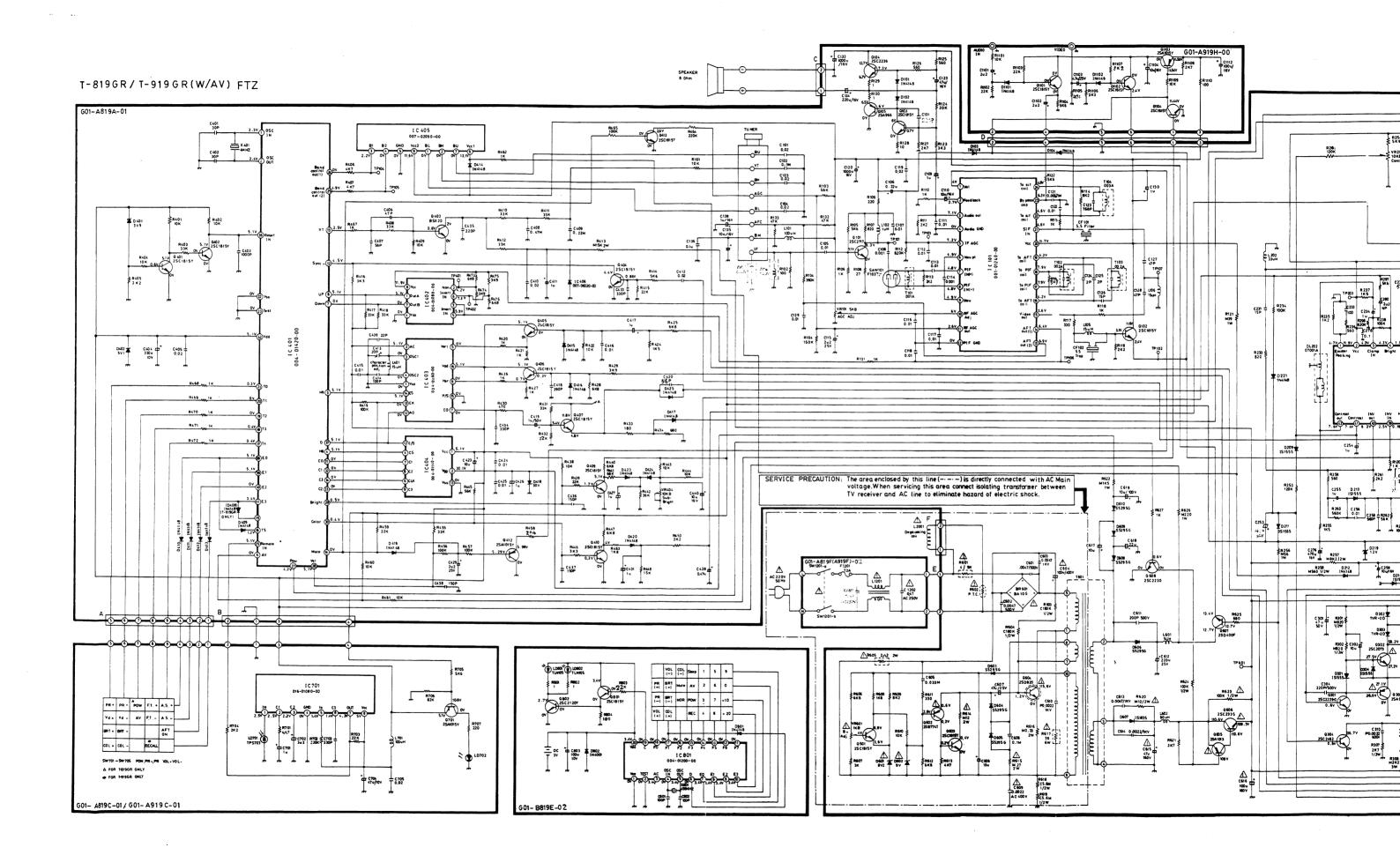
ITEM	PART NO.	DESCRIPTION
	D00-A0049-00	Handset Inlay
7.	B00-A0025-00	Battery Contact Plate (+)
8.	B00-A0024-00	Battery Contact Plate (+/-)
9.	E00-A0009-00	Battery Contact Spring (-)
10.	M3P-T2601-08	Screw T2.6×8 P/H (+)

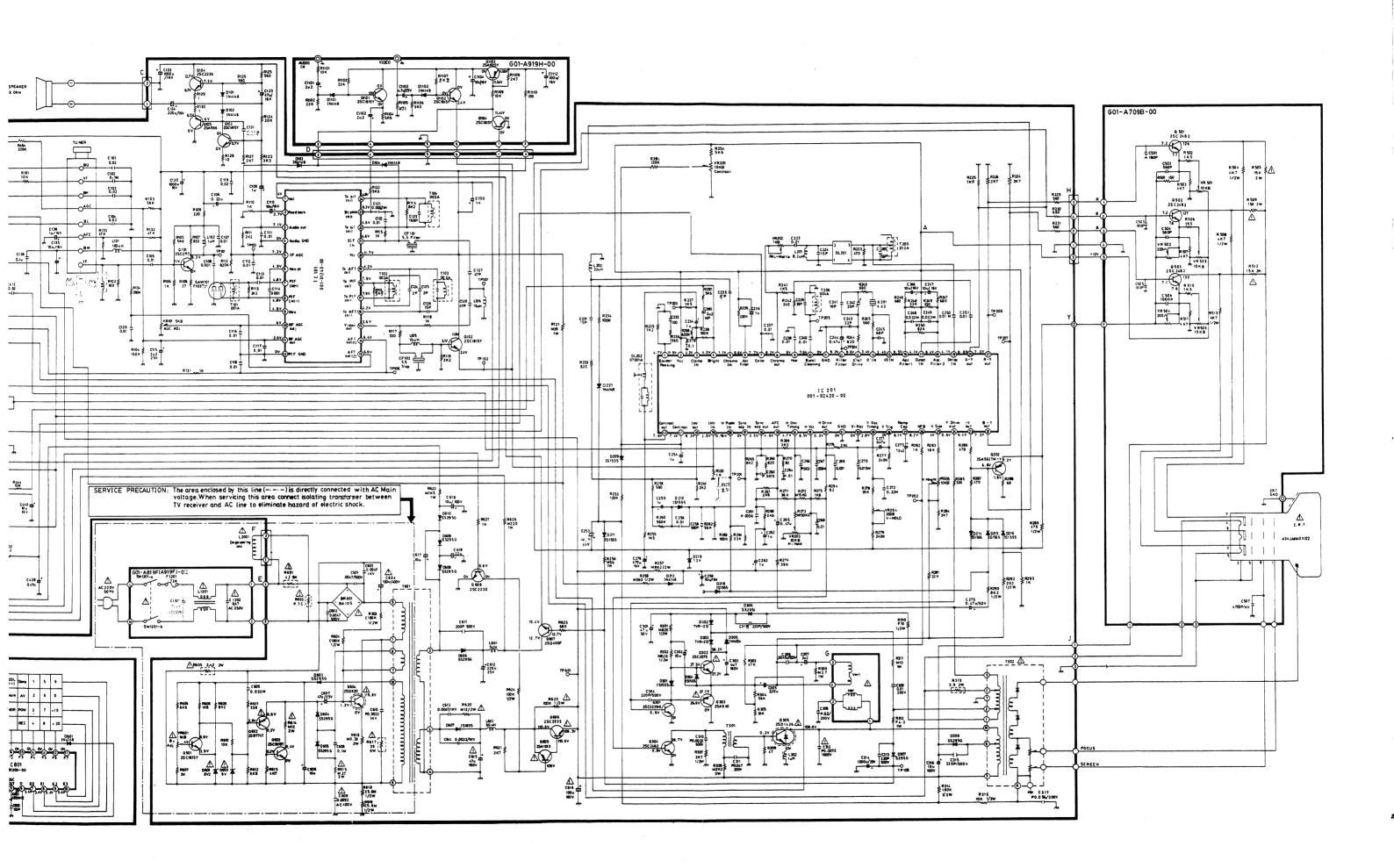
EXPLODED VIEW OF MAIN UNIT



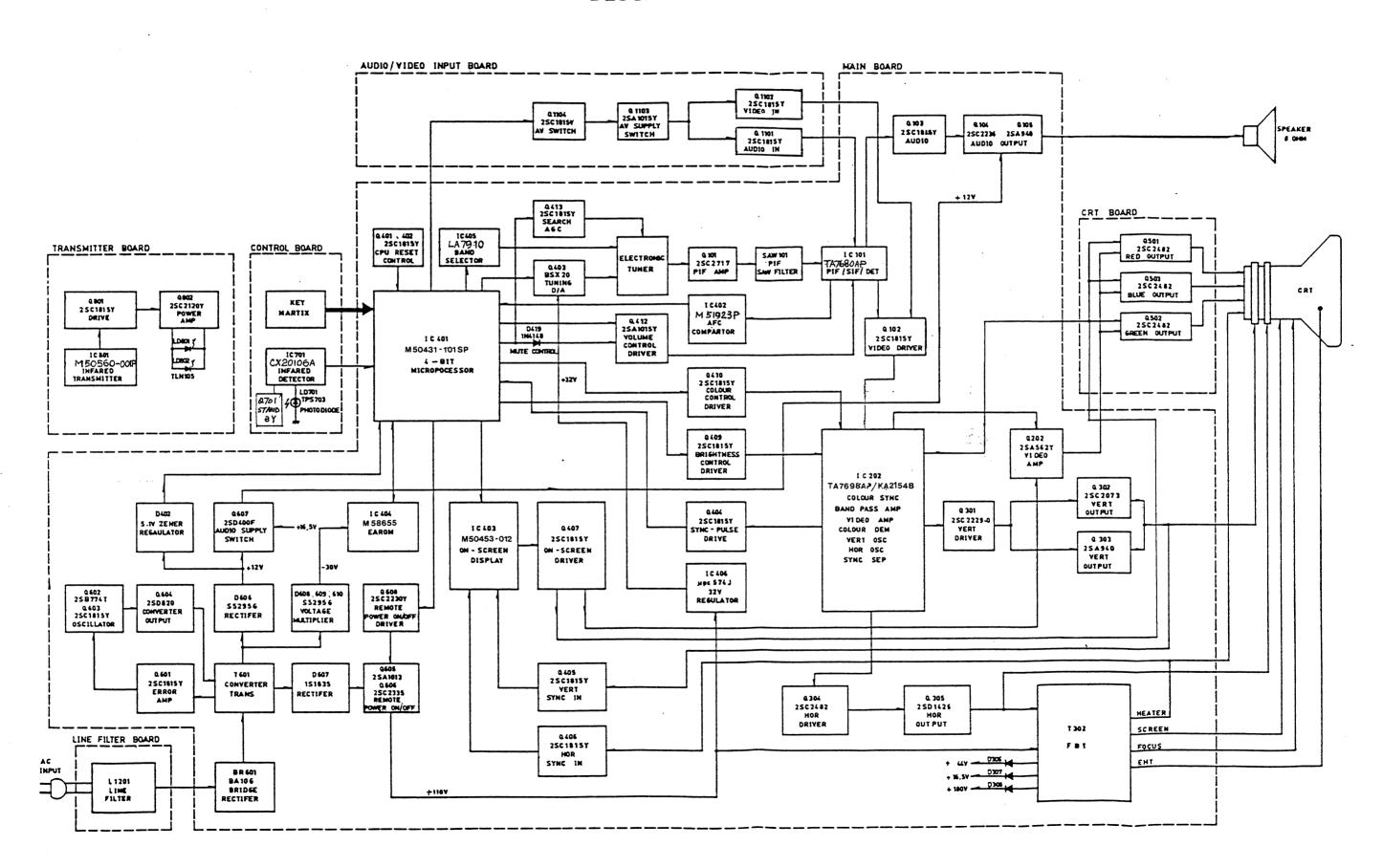
MECHANICAL PARTS LIST FOR MAIN UNIT

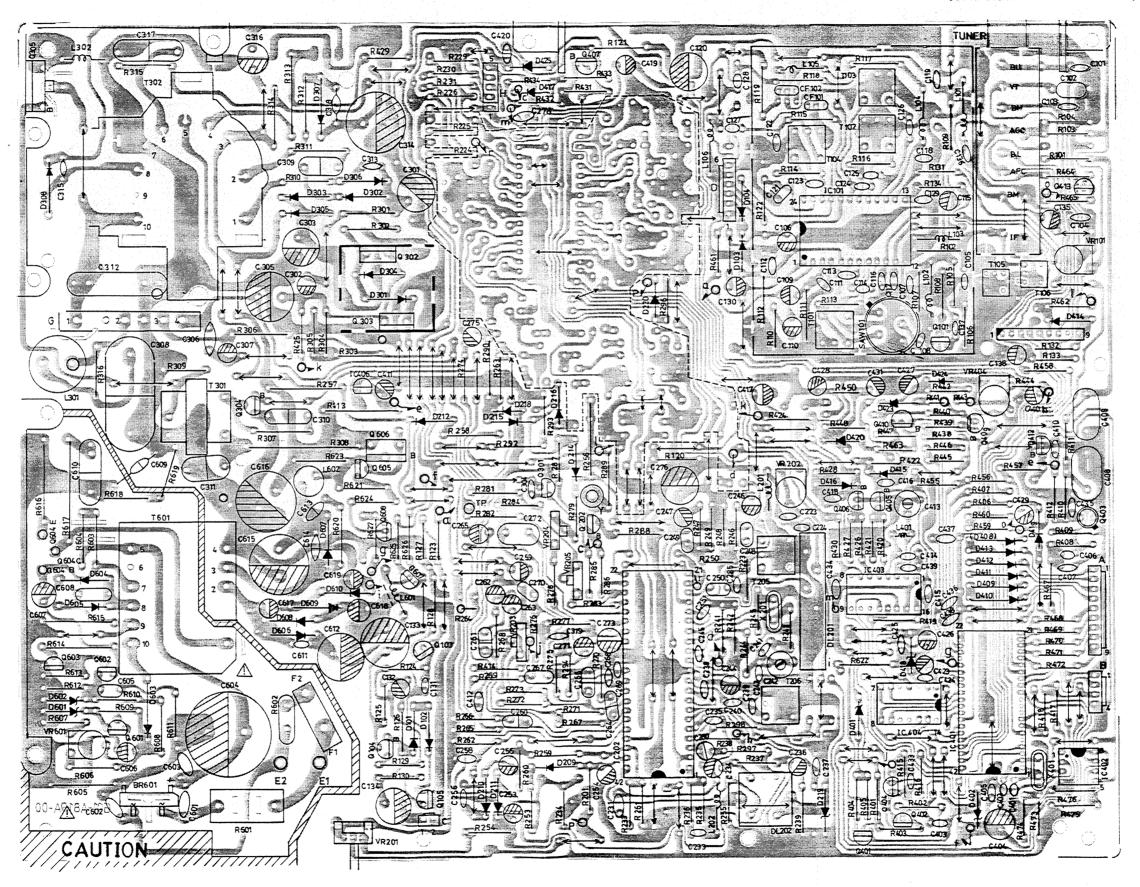
1 A01-A0088-01 FRONT CABINET-METALLIC DARK GRAY SPRAY W/SILK SCREEN 2 A01-A0090-01 PRESET DOOR-METALLIC DARK GRAY SPRAY W/SILK SCREEN 3 A01-A0090-00 SPEAKER HOLDER-BLACK MOULDED 4 A01-A0091-00 PUSH BUTTON-BLACK MOULDED 5 A01-A0093-00 INFRARED LENS 7 A01-A0094-00 CABINET MTG. HOLDER-BLACK MOULDED 8 A01-A0094-00 BACK CABINET-BLACK MOULDED 9 A01-A0009-00 AC CORD HOLDER-BLACK MOULDED 10 A03-B0111-00 CHASSIS BRACKET-BLACK MOULDED 11 B01-A0000-01 METAL WASHER 12 B01-A0005-00 HEAT SINK FOR HORIZONTAL AMP. 14 B01-A0006-00 HEAT SINK FOR HORIZONTAL AMP. 15 B01-A0008-00 HEAT SINK TRANSISTOR 16 B00-A0027-00 SHIELD CAN 'A' 17 B00-A0028-00 SHIELD CAN 'B' 18 B00-A0029-00 SHIELD CAN 'B' 19 B00-A0041-00 SHIELD CAN 'B' 19 B00-A0041-00 SHIELD CAN 'B' 10 B00-A0061-00 GROUNDING WIRE SPRING DIA. 7 X 14 FOR TWISTED WIRE 10 B00-A0001-00 GROUNDING WIRE SPRING DIA. 7 X 14 FOR TWISTED WIRE 10 B00-A0001-00 GROUNDING WIRE SPRING DIA. 7 X 14 FOR TWISTED WIRE 10 B00-A0001-00 WIRE LUG 11 B00-A0001-00 SPRING 12 B00-A0001-00 SPRING 13 B00-A0011-00 POWER KNOB SPRING 14 X 25 S/H (+) FOR BACK/FRONT CAB. MTG. 15 M1BT4001-12 T3 X 12 P/H (+) FOR HEAT SINK/FLY BACK TRANS MTG. 17 X 1 P/H (+) FOR HEAT SINK/FLY BACK TRANS MTG. 17 X 1 P/H (+) FOR HEAT SINK/FLY BACK TRANS MTG. 18 M1PT3001-08 T3 X 8 P/H (+) FOR POWER SWI/FRONT CAB. MTG. 18 M1PT3001-08 T3 X 8 P/H (+) FOR POWER SWI/FRONT CAB. MTG. 19 M1PT3001-08 T3 X 8 P/H (+) FOR PACK SWI/FRONT CAB. MTG. 19 M1PT3001-08 T3 X 8 P/H (+) FOR PACK CORD/AC CORD HOLDER MTG.		TEM	PART NO.	DESCRIPTION	7
2 A01-A0089-01 PRESET DOOR-METALLIC DARK GRAY SPRAY W/SILK SCREEN 3 A01-A0090-00 SPEAKER HOLDER-BLACK MOULDED 4 A01-A0091-00 PUSH BUTTON-BLACK MOULDED 5 A01-A0092-00 POWER SW. KNOB-BLACK MOULDED 6 A01-A0093-00 INFRARED LENS 7 A01-A0094-00 CABINET MTG, HOLDER-BLACK MOULDED 8 A01-A0134-00 BACK CABINET-BLACK MOULDED 9 A01-A01009-00 AC CORD HOLDER-BLACK MOULDED 10 A03-80111-00 CHASSIS BRACKET-BLACK MOULDED 11 B01-A0001-01 METAL WASHER 12 B01-A0005-00 HEAT SINK FOR HORIZONTAL AMP. 13 B01-A0005-00 HEAT SINK FOR HORIZONTAL AMP. 14 B01-A0007-00 HEAT SINK FOR HORIZONTAL AMP. 15 B01-A0008-00 PIF SHIELDING COVER 16 B00-A0027-00 SHIELD CAN 'A' 17 B00-A0028-00 SHIELD CAN 'B' 18 B00-A0028-00 SHIELD CAN 'C' 19 B00-A0011-00 SHIELD CAN 'C' 19 B00-A0010-00 GROUNDING WIRE SPRING DIA. 7 X 14 FOR TWISTED WIRE POWER KNOB SPRING 21 E00-A0011-00 GROUNDING WIRE SPRING DIA. 7 X 14 FOR TWISTED WIRE POWER KNOB SPRING 22 E00-A0011-00 GROUNDING WIRE SPRING DIA. 7 X 14 FOR TWISTED WIRE POWER KNOB SPRING 23 F00-A0004-00 WIRE LUG 24 J00-W0002-00 WIRE LUG 25 L00-P3514-F0 FIBRE WASHER 26 MIB-T3501-25 T3.5 X 25 P/H (+) FOR BACK/FRONT CAB MTG. 27 MIB-T4001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 28 MIP-T3001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 30 MIP-T3001-08 T3 X 8 P/H (+) FOR MEAT SINK/CHASSIS BKT. MTG. 31 MIP-T3001-08 T3 X 8 P/H (+) FOR POWER SW./FRONT CAB. MTG.					٦
3 A01-A0090-00 SPEAKER HOLDER-BLACK MOULDED 5 A01-A0093-00 PUSH BUTTON-BLACK MOULDED 6 A01-A0093-00 INFRARED LENS 7 A01-A0094-00 CABINET MTG. HOLDER-BLACK MOULDED 8 A01-A0134-00 BACK CABINET-BLACK MOULDED 9 A01-A0039-00 AC CORD HOLDER-BLACK MOULDED 10 A03-B011-00 CHASSIS BRACKET-BLACK MOULDED 11 B01-A0001-01 METAL WASSHER 12 B01-A0005-00 HEAT SINK FOR HORIZONTAL AMP. 13 B01-A0005-00 HEAT SINK FOR HORIZONTAL AMP. 14 B01-A0007-00 HEAT SINK FOR HORIZONTAL AMP. 15 B01-A0008-00 PIF SHIELDING COVER 16 B00-A0027-00 SHIELD CAN '2' 17 B00-A0028-00 SHIELD CAN '2' 18 B00-A0029-00 SHIELD CAN 'C' 19 B00-A0041-00 SHIELD CAN 'C' 19 B00-A0062-00 METAL FIXER (FOR CRT FIXING) 21 E00-A0001-00 GROUNDING WIRE SPRING DIA. 7 X 14 FOR TWISTED WIRE E00-A0011-00 POWER KNOB SPRING 22 E00-A0011-00 POWER KNOB SPRING 23 F00-A0004-00 INDOOR ANTENNA-SINGLE TYPE (VHF) DIA. 8 X 200 24 J00-W002-00 WIRE LUG 25 L00-73514-F0 FIBRE WASSHER 26 M1B13501-25 T3.5 X 25 P/H (+) FOR BACK/FRONT CAB. MTG. 27 M1B74001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 28 M1P13001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 31 M1P13001-08 T3 X 8 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 32 M1P13001-08 T3 X 8 P/H (+) FOR POWER SW/FRONT CAB. MTG.		1	A01-A0088-01	FRONT CABINET-METALLIC DARK GRAY SPRAY W/SILK SCREEN	
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5 A01-A0092-00 POWER SW. KNOB-BLACK MOULDED 6 A01-A0093-00 INFRARED LENS 7 A01-A0094-00 CABINET MTG. HOLDER-BLACK MOULDED 8 A01-A0134-00 BACK CABINET-BLACK MOULDED 9 A01-A0009-00 AC CORD HOLDER-BLACK MOULDED 10 A03-B0111-00 CHASSIS BRACKET-BLACK MOULDED 11 B01-A0001-01 METAL WASHER 12 B01-A0005-00 HEAT SINK BRACKET FOR POWER 13 B01-A0005-00 HEAT SINK FOR HORIZONTAL AMP. 14 B01-A0007-00 HEAT SINK FOR HORIZONTAL AMP. 15 B01-A0008-00 PIF SHIELDING COVER 16 B00-A0027-00 SHIELD CAN 'A' 17 B00-A0028-00 SHIELD CAN 'A' 18 B00-A0028-00 SHIELD CAN 'C' 19 B00-A0041-00 SHIELD CAN 'C' 19 B00-A0041-00 SHIELD CAN 'C' 19 B00-A0010-00 GROUNDING WIRE SPRING DIA. 7 X 14 FOR TWISTED WIRE POWER KNOB SPRING 23 F00-A0011-00 POWER KNOB SPRING 24 J00-W0002-00 INDOOR ANTENNA-SINGLE TYPE (VHF) DIA. 8 X 200 25 L00-P3514-F0 FIBRE WASHER 26 M1B-T3501-25 / T3.5 X 25 P/H (+) FOR BACK/FRONT CAB MTG. 27 M1B-T4001-12 T4 X 10 B/H (+) FOR CRIT/FRONT CAB MTG. 28 M1B-T4001-10 T4 X 10 B/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 31 M1P-T3001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 31 M1P-T3001-08 T3 X 8 P/H FOR AC CORD/AC CORD HOLDER MTG. 33 M1P-T3001-10 T3 X 10 P/H (+) FOR PSW-FRONT CAB MTG. 31 M1P-T3001-10 T3 X 10 P/H (+) FOR PSW-FRONT CAB MTG. 31 M1P-T3001-10 T3 X 10 P/H (+) FOR PSW-FRONT CAB MTG.			A01-A0090-00	SPEAKER HOLDER-BLACK MOULDED	
6 A01-A0093-00 INFRARED LENS CABINET MTG. HOLDER-BLACK MOULDED 8 A01-A0094-00 AC CABINET BLACK MOULDED 9 A01-A0009-00 AC CORD HOLDER-BLACK MOULDED 10 A03-B0111-00 CHASSIS BRACKET-BLACK MOULDED 11 B01-A0001-01 METAL WASHER 12 B01-A0005-00 HEAT SINK BRACKET FOR POWER 13 B01-A0006-00 HEAT SINK FOR HORIZONTAL AMP. 14 B01-A0007-00 HEAT SINK FOR HORIZONTAL AMP. 15 B01-A0008-00 PIF SHIELDING COVER 16 B00-A0027-00 SHIELD CAN 'A' 17 B00-A0028-00 SHIELD CAN 'B' 18 B00-A0028-00 SHIELD CAN 'B' 19 B00-A0041-00 SHIELD CAN 'C' 19 B00-A0061-00 SHIELD CAN 'C' 20 B00-A0061-00 METAL FIXER (FOR CRT FIXING) 21 E00-A00011-00 POWER KNOB SPRING 22 E00-A0011-00 POWER KNOB SPRING 23 F00-A0004-00 INDOOR ANTENNA-SINGLE TYPE (VHF) DIA. 8 X 200 24 J00-W0002-00 WIRE LUG 25 L00-P3514-FO FIBRE WASHER 26 MIB-T3501-25 / T3.5 X 25 P/H (+) FOR BACK/FRONT CAB MTG. 27 MIB-T4001-10 T4 X 10 B/H (+) FOR REAT SINK/FLY BACK TRANS MTG. 29 MIP-T3001-12 T3 X 12 P/H (+) FOR HEAT SINK/FLY BACK TRANS MTG. 31 MIP-T3001-08 T3 X 8 P/H FOR AC CORD/AC CORD HOLDER MTG. 33 MIP-T3001-10 T3 X 10 P/H (+) FOR POWER SW/FRONT CAB MTG. 31 MIP-T3001-10 T3 X 10 P/H (+) FOR POWER SW/FRONT CAB MTG. 31 MIP-T3001-10 T3 X 10 P/H (+) FOR POWER SW/FRONT CAB MTG. 31 MIP-T3001-10 T3 X 10 P/H (+) FOR POWER SW/FRONT CAB MTG.			A01-A0091-00		
7 A01-A0094-00 CABINET MTG. HOLDER-BLACK MOULDED 8 A01-A0134-00 BACK CABINET-BLACK MOULDED 10 A03-B0111-00 CHASSIS BRACKET-BLACK MOULDED 11 B01-A0001-01 METAL WASHER 12 B01-A0005-00 HEAT SINK BRACKET FOR POWER 13 B01-A0005-00 HEAT SINK TRANSISTOR 14 B01-A0007-00 HEAT SINK TRANSISTOR 15 B01-A0008-00 PIF SHIELDING COVER 16 B00-A0027-00 SHIELD CAN 'A' 17 B00-A0028-00 SHIELD CAN 'B' 18 B00-A0029-00 SHIELD CAN 'B' 18 B00-A0029-00 SHIELD CAN 'C' 19 B00-A0041-00 SHIELD CAN 20 B00-A0052-00 METAL FIXER (FOR CRT FIXING) 21 E00-A001-00 GROUNDING WIRE SPRING DIA. 7 X 14 FOR TWISTED WIRE 22 E00-A0011-00 POWER KNOB SPRING 10 INDOOR ANTENNA-SINGLE TYPE (VHF) DIA. 8 X 200 24 J00-W0002-00 WIRE LUG 25 L00-P3514-F0 FIBRE WASHER 26 M1B-T3501-25 T3.5 X 25 P/H (+) FOR BACK/FRONT CAB MTG. 27 M1B-T4001-10 T4 X 10 B/H (+) FOR CRT/FRONT CAB MTG. 28 M1B-T4001-10 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 30 M1P-T3001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 31 M1P-T3001-08 T3 X 8 P/H FOR AC CORD/AC CORD HOLDER MTG. 32 M1P-T3001-08 T3 X 8 P/H FOR AC CORD/AC CORD HOLDER MTG. 33 M1P-T3001-10 T3 X 10 P/H (+) FOR POWER SW./FRONT CAB MTG.			A01-A0092-00	POWER SW. KNOB-BLACK MOULDED	
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9 A01-A0009-00 AC CORD HOLDER-BLACK MOULDED 10 A03-B0111-00 CHASSIS BRACKET-BLACK MOULDED 11 B01-A0001-01 METAL WASHER 12 B01-A0005-00 HEAT SINK BRACKET FOR POWER 13 B01-A0006-00 HEAT SINK FOR HORIZONTAL AMP. 14 B01-A0007-00 HEAT SINK TRANSISTOR 15 B01-A0008-00 PIF SHIELDING COVER 16 B00-A0027-00 SHIELD CAN 'A' 17 B00-A0028-00 SHIELD CAN 'B' 18 B00-A0029-00 SHIELD CAN 'C' 19 B00-A0041-00 SHIELD CAN 'C' 19 B00-A0052-00 METAL FIXER (FOR CRT FIXING) 20 B00-A001-00 GROUNDING WIRE SPRING DIA. 7 X 14 FOR TWISTED WIRE 22 E00-A0011-00 POWER KNOB SPRING 23 F00-A0004-00 INDOOR ANTENNA-SINGLE TYPE (VHF) DIA. 8 X 200 24 J00-W0002-00 WIRE LUG 25 L00-P3514-FO FIBRE WASHER 26 M1BT3501-25 T3.5 X 25 P/H (+) FOR BACK/FRONT CAB MTG. 27 M1BT4001-10 T4 X 10 B/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 30 M1PT3001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 31 M1PT3001-08 T3 X 8 P/H (+) FOR POWER SW/FRONT CAB MTG. 32 M1PT3001-07 T3 X 8 P/H (+) FOR POWER SW/FRONT CAB MTG. 33 M1PT3001-10 T3 X 8 P/H (+) FOR MAIN PC.3./CHASSIS BKT. MTG. 33 M1PT3001-08 T3 X 8 P/H (+) FOR MAIN PC.3./CHASSIS BKT. MTG. 33 M1PT3001-10 T3 X 8 P/H (+) FOR POWER SW/FRONT CAB MTG.			A01-A0094-00	CABINET MTG. HOLDER-BLACK MOULDED	- 1
10 A03-80111-00 CHASSIS BRACKET-BLACK MOULDED 11 B01-A0001-01 METAL WASHER 12 B01-A0005-00 HEAT SINK BRACKET FOR POWER 13 B01-A0005-00 HEAT SINK FOR HORIZONTAL AMP. 14 B01-A0007-00 HEAT SINK TRANSISTOR 15 B01-A0008-00 PIF SHIELDING COVER 16 B00-A0027-00 SHIELD CAN 'A' 17 B00-A0028-00 SHIELD CAN 'B' 18 B00-A0029-00 SHIELD CAN 'C' 19 B00-A0041-00 SHIELD CAN 'C' 19 B00-A0041-00 SHIELD CAN 'B' 20 B00-A0052-00 METAL FIXER (FOR CRT FIXING) 21 E00-A0011-00 GROUNDING WIRE SPRING DIA. 7 X 14 FOR TWISTED WIRE POWER KNOB SPRING 22 E00-A0011-00 POWER KNOB SPRING 23 F00-A0004-00 INDOOR ANTENNA-SINGLE TYPE (VHF) DIA. 8 X 200 24 J00-W0002-00 WIRE LUG 25 L00-P3514-F0 FIBRE WASHER 26 M1B-T3501-25 T4 X 25 B/H (+) FOR BACK/FRONT CAB, MTG. 27 M1B-T4001-25 T4 X 25 B/H (+) FOR HEAT SINK/FLY BACK TRANS MTG. 28 M1B-T4001-10 T4 X 10 B/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 30 M1P-T3001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 31 M1P-T3001-08 T3 X 8 P/H (+) FOR POWER SW/FRONT CAB, MTG. 32 M1P-T3001-10 T3 X 8 P/H (+) FOR POWER SW/FRONT CAB, MTG. 33 M1P-T3001-10 T3 X 8 P/H (+) FOR MAIN PC.B./CHASSIS BKT. MTG. 33 M1P-T3001-10 T3 X 8 P/H (+) FOR POWER SW/FRONT CAB, MTG.			A01-A0134-00		ı
11 B01-A0001-01 METAL WASHER 12 B01-A0005-00 HEAT SINK BRACKET FOR POWER 13 B01-A0006-00 HEAT SINK FOR HORIZONTAL AMP. 14 B01-A0008-00 HEAT SINK TRANSISTOR 15 B01-A0008-00 PIF SHIELDING COVER 16 B00-A0027-00 SHIELD CAN 'A' 17 B00-A0028-00 SHIELD CAN 'B' 18 B00-A0029-00 SHIELD CAN 'C' 19 B00-A0041-00 SHIELD CAN 'C' 19 B00-A0052-00 METAL FIXER (FOR CRT FIXING) 21 E00-A0011-00 GROUNDING, WIRE SPRING DIA. 7 X 14 FOR TWISTED WIRE 22 E00-A0011-00 POWER KNOB SPRING 23 F00-A0004-00 INDOOR ANTENNA-SINGLE TYPE (VHF) DIA. 8 X 200 24 J00-W0002-00 WIRE LUG 25 L00-P3514-FO FIBRE WASHER 26 M1B-T3501-25 T3.5 X 25 P/H (+) FOR BACK/FRONT CAB. MTG. 27 M1B-T4001-25 T4 X 25 S/H (+) FOR CRT/FRONT CAB. MTG. 28 M1B-T4001-10 T4 X 10 B/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 30 M1P-T3001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 31 M1P-T3001-08 T3 X 8 P/H (+) FOR MAIN PC.B./CHASSIS BKT. MTG. 33 M1P-T3001-10 T3 X 10 P/H (+) FOR POWER SW/FRONT CAB. MTG.	1				
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13 801-A0006-00 HEAT SINK FOR HORIZONTAL AMP. 14 801-A0007-00 HEAT SINK TRANSISTOR 15 801-A0008-00 PIF SHIELDING COVER 16 800-A0027-00 SHIELD CAN 'A' 17 800-A0028-00 SHIELD CAN 'B' 18 800-A0029-00 SHIELD CAN 'C' 19 800-A0041-00 SHIELD CAN 'C' 20 800-A0052-00 METAL FIXER (FOR CRT FIXING) 21 E00-A0001-00 GROUNDING WIRE SPRING DIA. 7 X 14 FOR TWISTED WIRE 22 E00-A0011-00 POWER KNOB SPRING 23 F00-A0004-00 INDOOR ANTENNA-SINGLE TYPE (VHF) DIA. 8 X 200 24 J00-W0002-00 WIRE LUG 25 L00-P3514-F0 FIBRE WASHER 26 M18-T3501-25 T3.5 X 25 P/H (+) FOR BACK/FRONT CAB. MTG. 27 M18-T4001-10 T4 X 10 B/H (+) FOR HEAT SINK/FLY BACK TRANS MTG. 29 M1P-T3001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 31 M1P-T3001-08 T3 X 8 P/H FOR AC CORDIAC CORD HOLDER MTG. 33 M1P-T3001-10 T3 X (0 P/H (+) FOR POWER SW./FRONT CAB. MTG.	1		• *		
14 B01-A0007-00 HEAT SINK TRANSISTOR 15 B01-A0008-00 PIF SHIELDING COVER 16 B00-A0027-00 SHIELD CAN 'A' 17 B00-A0028-00 SHIELD CAN 'B' 18 B00-A0029-00 SHIELD CAN 'C' 19 B00-A0041-00 SHIELD CAN 20 B00-A0052-00 METAL FIXER (FOR CRT FIXING) 21 E00-A0001-00 GROUNDING WIRE SPRING DIA. 7 X 14 FOR TWISTED WIRE 22 E00-A0011-00 POWER KNOB SPRING 23 F00-A0004-00 INDOOR ANTENNA-SINGLE TYPE (VHF) DIA. 8 X 200 24 J00-W0002-00 WIRE LUG 25 L00-P3514-F0 FIBRE WASHER 26 M1B-T3501-25 / T3.5 X 25 P/H (+) FOR BACK/FRONT CAB MTG. 27 M1B-T4001-25 T4 X 25 B/H (+) FOR CRT/FRONT CAB MTG. 28 M1B-T4001-10 T4 X 10 B/H (+) FOR HEAT SINK/FLY BACK TRANS MTG. 30 M1P-T3001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 31 M1P-T3001-08 T3 X 8 P/H (+) FOR MAIN P.C.3/CHASSIS BKT. MTG. 32 M1P-T3001-10 T3 X 10 P/H (+) FOR AC CORD/AC CORD HOLDER MTG. 33 M1P-T3001-10 T3 X 10 P/H (+) FOR POWER SW./FRONT CAB MTG.					
15 B01-A0008-00 PIF SHIELDING COVER 16 B00-A0027-00 SHIELD CAN 'A' 17 B00-A0028-00 SHIELD CAN 'B' 18 B00-A0029-00 SHIELD CAN 'C' 19 B00-A0041-00 SHIELD CAN 'C' 20 B00-A0052-00 METAL FIXER (FOR CRT FIXING) 21 E00-A0001-00 GROUNDING WIRE SPRING DIA. 7 X 14 FOR TWISTED WIRE 22 E00-A0011-00 POWER KNOB SPRING 23 F00-A0004-00 INDOOR ANTENNA-SINGLE TYPE (VHF) DIA. 8 X 200 24 J00-W0002-00 WIRE LUG 25 L00-P3514-F0 FIBRE WASHER 26 M1B-73501-25 / T3.5 X 25 P/H (+) FOR BACK/FRONT CAB. MTG. 27 M1B-74001-25 T4 X 25 B/H (+) FOR CRT/FRONT CAB. MTG. 28 M1B-74001-10 T4 X 10 B/H (+) FOR HEAT SINK/FLY BACK TRANS MTG. 29 M1P-73001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 30 M1P-73001-08 T3 X 8 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 31 M1P-73001-08 T3 X 8 P/H FOR AC CORD/AC CORD HOLDER MTG. 33 M1P-73001-10 T3 X (0 P/H (+) FOR POWER SW./FRONT CAB. MTG.		_			
16 B00-A0027-00 SHIELD CAN 'A' 17 B00-A0028-00 SHIELD CAN 'B' 18 B00-A0029-00 SHIELD CAN 'C' 19 B00-A0041-00 SHIELD CAN 20 B00-A0052-00 METAL FIXER (FOR CRT FIXING) 21 E00-A0001-00 GROUNDING WIRE SPRING DIA. 7 X 14 FOR TWISTED WIRE 22 E00-A0011-00 POWER KNOB SPRING 23 F00-A0004-00 INDOOR ANTENNA-SINGLE TYPE (VHF) DIA. 8 X 200 24 J00-W0002-00 WIRE LUG 25 L00-P3514-F0 FIBRE WASHER 26 M1B-T3501-25 T3.5 X 25 P/H (+) FOR BACK/FRONT CAB MTG. 27 M1B-T4001-25 T4 X 25 B/H (+) FOR CRT/FRONT CAB MTG. 28 M1B-T4001-10 T4 X 10 B/H (+) FOR HEAT SINK/FLY BACK TRANS MTG. 29 M1P-T3001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 31 M1P-T3001-08 T3 X 8 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 32 M1P-T3001-08 T3 X 8 P/H (+) FOR POWER SW./FRONT CAB MTG. 33 M1P-T3001-10 T3 X (0 P/H (+) FOR POWER SW./FRONT CAB MTG.	1				
17 800-A0028-00 SHIELD CAN 'B' 18 800-A0029-00 SHIELD CAN 'C' 19 800-A0041-00 SHIELD CAN 20 800-A0052-00 METAL FIXER (FOR CRT FIXING) 21 E00-A0001-00 GROUNDING WIRE SPRING DIA. 7 X 14 FOR TWISTED WIRE 22 E00-A0011-00 POWER KNOB SPRING 23 F00-A0004-00 INDOOR ANTENNA-SINGLE TYPE (VHF) DIA. 8 X 200 24 J00-W0002-00 WIRE LUG 25 L00-P3514-F0 FIBRE WASHER 26 M18-T3501-25 / T3.5 X 25 P/H (+) FOR BACK/FRONT CAB. MTG. 27 M18-T4001-10 T4 X 10 B/H (+) FOR HEAT SINK/FLY BACK TRANS MTG. 28 M18-T4001-10 T4 X 10 B/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 30 M1P-T3001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 31 M1P-T3001-08 T3 X 8 P/H (+) FOR MAIN PC.2/CHASSIS BKT. MTG. 32 M1P-T3001-10 T3 X (0 P/H (+) FOR POWER SW./FRONT CAB. MTG.	-				-
18 B00-A0029-00 SHIELD CAN 'C' 19 B00-A0041-00 SHIELD CAN 20 B00-A0052-00 METAL FIXER (FOR CRT FIXING) 21 E00-A0001-00 GROUNDING WIRE SPRING DIA. 7 X 14 FOR TWISTED WIRE 22 E00-A0011-00 POWER KNOB SPRING 23 F00-A0004-00 INDOOR ANTENNA-SINGLE TYPE (VHF) DIA. 8 X 200 24 J00-W0002-00 WIRE LUG 25 L00-P3514-F0 FIBRE WASHER 26 M1BT3501-25 / T3.5 X 25 P/H (+) FOR BACK/FRONT CAB. MTG. 27 M1BT4001-25 T4 X 25 B/H (+) FOR CRT/FRONT CAB. MTG. 28 M1BT4001-10 T4 X 10 B/H (+) FOR HEAT SINK/FLY BACK TRANS MTG. 29 M1PT3001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 30 M1PT3001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 31 M1PT3001-08 T3 X 8 P/H (+) FOR MAIN PC.B/CHASSIS BKT. MTG. 32 M1PT3001-08 T3 X 8 P/H FOR AC CORD/AC CORD HOLDER MTG. 33 M1PT3001-10 T3 X (0 P/H (+) FOR POWER SW./FRONT CAB. MTG.					
19 B00-A0041-00 SHIELD CAN 20 B00-A0052-00 METAL FIXER (FOR CRT FIXING) 21 E00-A0001-00 GROUNDING WIRE SPRING DIA. 7 X 14 FOR TWISTED WIRE 22 E00-A0011-00 POWER KNOB SPRING 23 F00-A0004-00 INDOOR ANTENNA-SINGLE TYPE (VHF) DIA. 8 X 200 24 J00-W0002-00 WIRE LUG 25 L00-P3514-F0 FIBRE WASHER 26 M1B-T3501-25 T3.5 X 25 P/H (+) FOR BACK/FRONT CAB. MTG. 27 M1B-T4001-25 T4 X 25 B/H (+) FOR CRT/FRONT CAB. MTG. 28 M1B-T4001-10 T4 X 10 B/H (+) FOR HEAT SINK/FLY BACK TRANS MTG. 29 M1P-T3001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 30 M1P-T3001-08 T3 X 8 P/H (+) FOR MAIN PCB/CHASSIS BKT. MTG. 31 M1P-T3001-08 T3 X 8 P/H FOR AC CORD/AC CORD HOLDER MTG. 33 M1P-T3001-10 T3 X (□ P/H (+) FOR POWER SW./FRONT CAB. MTG.	1		B00-A0028-00		1
20 B00-A0052-00 METAL FIXER (FOR CRT FIXING) 21 E00-A0001-00 GROUNDING WIRE SPRING DIA. 7 X 14 FOR TWISTED WIRE 22 E00-A0011-00 POWER KNOB SPRING 23 F00-A0004-00 INDOOR ANTENNA-SINGLE TYPE (VHF) DIA. 8 X 200 24 J00-W0002-00 WIRE LUG 25 L00-P3514-F0 FIBRE WASHER 26 M1B-T3501-25 / T3.5 X 25 P/H (+) FOR BACK/FRONT CAB. MTG. 27 M1B-T4001-25 T4 X 25 B/H (+) FOR CRT/FRONT CAB. MTG. 28 M1B-T4001-10 T4 X 10 B/H (+) FOR HEAT SINK/FLY BACK TRANS MTG. 29 M1P-T3001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 30 M1P-T3001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 31 M1P-T3001-08 T3 X 8 P/H (+) FOR MAIN PCB/CHASSIS BKT. MTG. 32 M1P-T3001-10 T3 X (0 P/H (+) FOR POWER SW./FRONT CAB. MTG.					
21 E00-A0001-00 GROUNDING WIRE SPRING DIA. 7 X 14 FOR TWISTED WIRE 22 E00-A0011-00 POWER KNOB SPRING 23 F00-A0004-00 INDOOR ANTENNA-SINGLE TYPE (VHF) DIA. 8 X 200 24 J00-W0002-00 WIRE LUG 25 L00-P3514-F0 FIBRE WASHER 26 M1B-T3501-25 T3.5 X 25 P/H (+) FOR BACK/FRONT CAB. MTG. 27 M1B-T4001-25 T4 X 25 B/H (+) FOR CRT/FRONT CAB. MTG. 28 M1B-T4001-10 T4 X 10 B/H (+) FOR HEAT SINK/FLY BACK TRANS MTG. 29 M1P-T3001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 30 M1P-T3001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 31 M1P-T3001-08 T3 X 8 P/H (+) FOR MAIN P.C.B./CHASSIS BKT. MTG. 32 M1P-T3001-10 T3 X (0 P/H (+) FOR POWER SW./FRONT CAB. MTG.		_			
22 E00-A0011-00 POWER KNOB SPRING 23 F00-A0004-00 INDOOR ANTENNA-SINGLE TYPE (VHF) DIA. 8 X 200 24 J00-W0002-00 WIRE LUG 25 L00-P3514-F0 FIBRE WASHER 26 M1B-T3501-25 / T3.5 X 25 P/H (+) FOR BACK/FRONT CAB. MTG. 27 M1B-T4001-25 T4 X 25 B/H (+) FOR CRT/FRONT CAB. MTG. 28 M1B-T4001-10 T4 X 10 B/H (+) FOR HEAT SINK/FLY BACK TRANS MTG. 29 M1P-T3001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 30 M1P-T3001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 31 M1P-T3001-08 T3 X 8 P/H (+) FOR MAIN P.C.B./CHASSIS BKT. MTG. 32 M1P-T3001-08 T3 X 8 P/H FOR AC CORD/AC CORD HOLDER MTG. 33 M1P-T3001-10 T3 X (0 P/H (+) FOR POWER SW./FRONT CAB. MTG.	1		B00-A0052-00		
23 F00-A0004-00 INDOOR ANTENNA-SINGLE TYPE (VHF) DIA. 8 X 200 24 J00-W0002-00 WIRE LUG 25 L00-P3514-F0 FIBRE WASHER 26 M1B-T3501-25 T3.5 X 25 P/H (+) FOR BACK/FRONT CAB. MTG. 27 M1B-T4001-25 T4 X 25 B/H (+) FOR CRT/FRONT CAB. MTG. 28 M1B-T4001-10 T4 X 10 B/H (+) FOR HEAT SINK/FLY BACK TRANS MTG. 29 M1P-T3001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 30 M1P-T3001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 31 M1P-T3001-08 T3 X 8 P/H (+) FOR MAIN P.C.B./CHASSIS BKT. MTG. 32 M1P-T3001-08 T3 X 8 P/H FOR AC CORD/AC CORD HOLDER MTG. 33 M1P-T3001-10 T3 X (0 P/H (+) FOR POWER SW./FRONT CAB. MTG.				· · · · · · · · · · · · · · · · · · ·	
24 JOO-W0002-00 WIRE LUG 25 LOO-P3514-FO FIBRE WASHER 26 M1B-T3501-25 / T3.5 X 25 P/H (+) FOR BACK/FRONT CAB. MTG. 27 M1B-T4001-25 T4 X 25 B/H (+) FOR CRT/FRONT CAB. MTG. 28 M1B-T4001-10 T4 X 10 B/H (+) FOR HEAT SINK/FLY BACK TRANS MTG. 29 M1P-T3001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 30 M1P-T3001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 31 M1P-T3001-08 T3 X 8 P/H (+) FOR MAIN P.C.B./CHASSIS BKT. MTG. 32 M1P-T3001-08 T3 X 8 P/H FOR AC CORD/AC CORD HOLDER MTG. 33 M1P-T3001-10 T3 X (0 P/H (+) FOR POWER SW./FRONT CAB. MTG.					
25 L00-P3514-F0 FIBRE WASHER 26 M1B-T3501-25 T3.5 X 25 P/H (+) FOR BACK/FRONT CAB. MTG. 27 M1B-T4001-25 T4 X 25 B/H (+) FOR CRT/FRONT CAB. MTG. 28 M1B-T4001-10 T4 X 10 B/H (+) FOR HEAT SINK/FLY BACK TRANS MTG. 29 M1P-T3001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 30 M1P-T3001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 31 M1P-T3001-08 T3 X 8 P/H (+) FOR MAIN P.C.B./CHASSIS BKT. MTG. 32 M1P-T3001-10 T3 X (0 P/H (+) FOR POWER SW./FRONT CAB. MTG.					
26 M1B-T3501-25 / T3.5 X 25 P/H (+) FOR BACK/FRONT CAB. MTG. 27 M1B-T4001-25 T4 X 25 B/H (+) FOR CRT/FRONT CAB. MTG. 28 M1B-T4001-10 T4 X 10 B/H (+) FOR HEAT SINK/FLY BACK TRANS MTG. 29 M1P-T3001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 30 M1P-T3001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 31 M1P-T3001-08 T3 X 8 P/H (+) FOR MAIN P.C.B./CHASSIS BKT. MTG. 32 M1P-T3001-10 T3 X (0 P/H (+) FOR POWER SW./FRONT CAB. MTG.					
27 M18-74001-25 T4 X 25 B/H (+) FOR CRT/FRONT CAB. MTG. 28 M18-74001-10 T4 X 10 B/H (+) FOR HEAT SINK/FLY BACK TRANS MTG. 29 M1P-73001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 30 M1P-73001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 31 M1P-73001-08 T3 X 8 P/H (+) FOR MAIN P.C.B./CHASSIS BKT. MTG. 32 M1P-73001-08 T3 X 8 P/H FOR AC CORD/AC CORD HOLDER MTG. 33 M1P-73001-10 T3 X (0 P/H (+) FOR POWER SW./FRONT CAB. MTG.	İ			· · · · · · · · · · · · · · · · · · ·	ļ
28 M1B-74001-10 T4 X 10 B/H (+) FOR HEAT SINK/FLY BACK TRANS MTG. 29 M1P-73001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 30 M1P-73001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 31 M1P-73001-08 T3 X 8 P/H (+) FOR MAIN P.C.B./CHASSIS BKT. MTG. 32 M1P-73001-08 T3 X 8 P/H FOR AC CORD/AC CORD HOLDER MTG. 33 M1P-73001-10 T3 X (0 P/H (+) FOR POWER SW./FRONT CAB. MTG.	1				
29 M1P-T3001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 30 M1P-T3001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 31 M1P-T3001-08 T3 X 8 P/H (+) FOR MAIN P.C.B./CHASSIS BKT. MTG. 32 M1P-T3001-08 T3 X 8 P/H FOR AC CORD/AC CORD HOLDER MTG. 33 M1P-T3001-10 T3 X (0 P/H (+) FOR POWER SW./FRONT CAB. MTG.					
30 M1P-T3001-12 T3 X 12 P/H (+) FOR HEAT SINK/CHASSIS BKT. MTG. 31 M1P-T3001-08 T3 X 8 P/H (+) FOR MAIN P.C.B./CHASSIS BKT. MTG. 32 M1P-T3001-08 T3 X 8 P/H FOR AC CORD/AC CORD HOLDER MTG. 33 M1P-T3001-10 T3 X (0 P/H (+) FOR POWER SW./FRONT CAB. MTG.					
31 M1P-T3001-08 T3 X 8 P/H (+) FOR MAIN P.C.B./CHASSIS BKT. MTG. 32 M1P-T3001-08 T3 X 8 P/H FOR AC CORD/AC CORD HOLDER MTG. 33 M1P-T3001-10 T3 X (0 P/H (+) FOR POWER SW./FRONT CAB. MTG.					
32 M1P-T3001-08 T3 X 8 P/H FOR AC CORD/AC CORD HOLDER MTG. 33 M1P-T3001-10 T3 X (0 P/H (+) FOR POWER SW./FRONT CAB. MTG.					
33 M1P-T3001-10 T3 X (o P/H (+) FOR POWER SW./FRONT CAB. MTG.					
· · · · · · · · · · · · · · · · · · ·	1				
	1			The state of the s	
34 M1B-T2600-10 T2.6 X 10 B/H (+) FOR CONTROL P.C.B./FRONT CAB. MTG.					
35 M1B-T2600-06 T2.6 X 8 B/H (+) FOR CONTROL P.C.B./FRONT CAB. MTG.	1				
36 M18-72600-06 T2.6 X 6 B/H (+) FOR PUSH BUTTON/FRONT CAB. MTG.					
37 P01-01086-01 TWISTED WIRE L = 860 MM	1				
38 A04-A0114-00 CABLE TIE L = 8"	1				
39 A03-80135-00 JACK PLATE-BLACK MOULDED	1			· · · · - · · · · · · · · · · · · · · ·	
40 M1P-T3001-08 T3 X 8 P/H (+) FOR AV BOARD/JACK PLATE MTG	1				
41 M1B-T3001-12 T3 X 12 B/H (+) FOR JACK PLATE/P.C.B./CHASSIS BKT. MTG.		41	WHB-13001-12	13 X 12 B/H (+) FUN JACK PLAIE/PLB/CHASSIS BKI. MIG.	



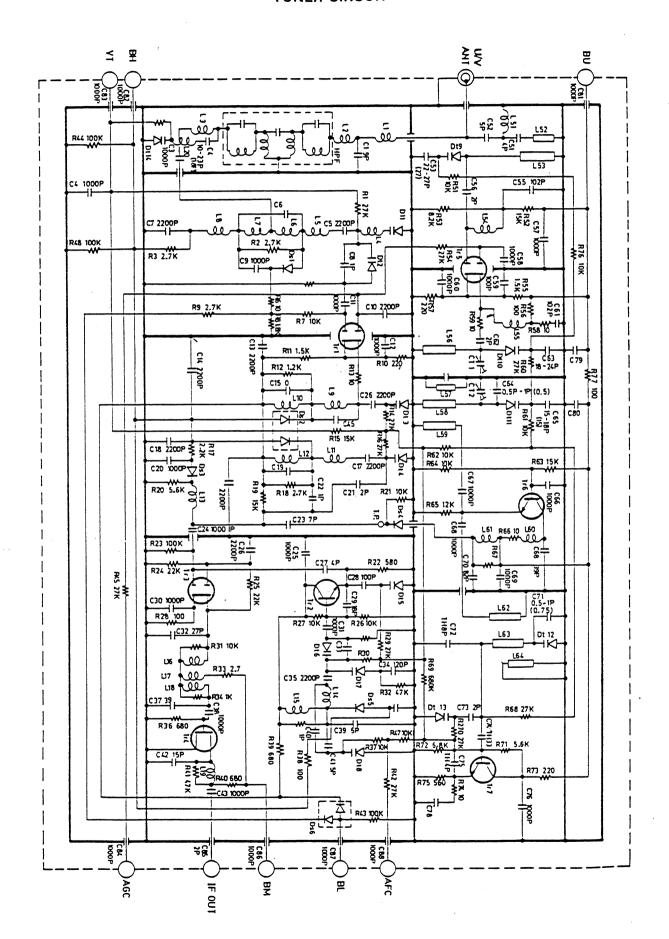


BLOCK DIAGRAM

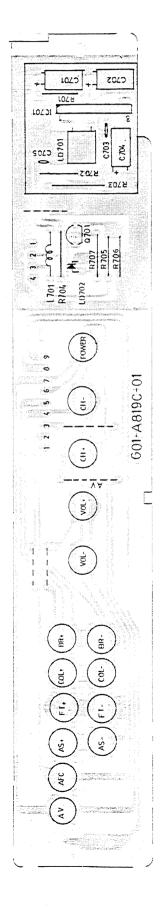




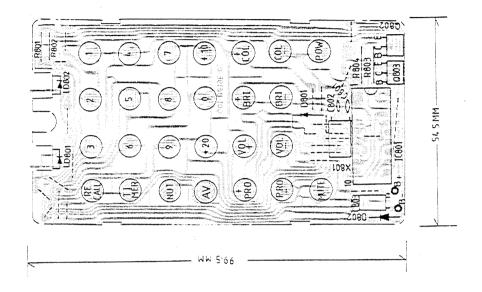
TUNER CIRCUIT



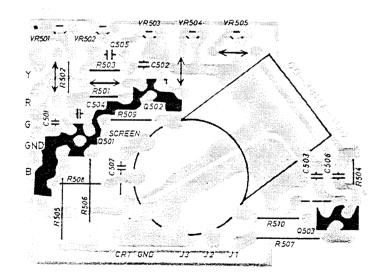
COMPONENT VIEW OF CONTROL P.C. BOARD



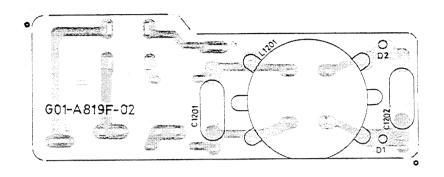
COMPONENT VIEW OF HANDSET P.C. BOARD



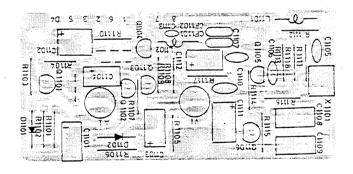
COPPER SIDE OF CRT P.C. BOARD



BOTTOM VIEW OF AC LINE FILTER BOARD



COMPONENT VIEW OF A.V. INPUT P. C. BOARD



WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION",
SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON PAGE 2 OF THIS MANUAL.

CAUTION: The areas marks in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. Before replacing any of these components read carefully the PRODUCT SAFETY NOTICE on page 2. Do not degrade the safety of the receiver through improper servicing.

ABBREVIATIONS

Wire:

Resistors: CF - Carbon Film Resistor

CC - Carbon Composition Resistor

MF — Metal Film Resistor MO — Metal Oxide Resistor FU — Fusible Resistor

NI - Non-Inflammable Resistor

SF - Semi-fixed Resistor

SJ — Single Jumper Wire AWG 22 (UL1007)

STJ – Strand Jumper Wire AWG 22 (UL1007)

ST - Strand Jumper Wire AWG 24 (UL1007)

STW - Strand Jumper Wire AWG 26 (UL1007)

Capacitors: CE - Ceramic Capacitor

PO — Polyester Film Capacitor
PP — Polypropylene Film Capacitor

EL - Electrolytic Capacitor

TC — Temperature Compensating Capacitor MP — Metal Polyestor Film Capacitor

AC - AC Capacitor

Remark:

1) All resistors are ¼W, ±5% unless otherwise noted.

2) All capacitors are 50WV capacitor unless otherwise noted

SCHEMATIC NO.	PART NO.	DESCRIPTION
*** MAIN P. C. B	. ASSEMBLY ***	
402, 404, 405, 406, 407, 409, 410, 413, 601,	A01-C717A-00 A01-C815E-00	
603, 102 Q301 Q202 Q302 Q303 Q304 Q305 Q602 Q604 Q608 Q607	A01-C229D-00 A01-A562E-00 A01-C073D-00 A01-A940D-00 A01-C482D-00 A01-D426A-00 A01-B774D-00 *A01-D431A-00 A01-C230E-00 A03-D400F-00	2SA562-TMY 2SC2073 2SA940 2SC2482 2SD1426 2SB774-T 2SD1431 2SC2230-AY
Q605 Q606	A01-A013E-00 A02-C335C-00	2SA1013Y
Q104 Q105 Q412 Q403	A01-C236D-00 A01-A966D-00 A01-A015E-00 A06-S002D-00	2SC2236-0 2SA966-0 2SA1015Y
DIODE D101, 102, 211, 212, 220, 409, 410, 411, 412, 413, 221 414, 415, 416 417, 419, 420,4		1N4148
425, 423, 424, D201, 203, 204 205, 206, 207, 209, 210, 213, 214, 215, D216, 218, 301	104 4, B01-01555-00	1S1555
604, 605, 606	3, B01-02529-00 ,608.	S5295G
609, 610 D306 D607 D302, 303 BR601 D305 D202, 217, 219 D601 D602 D401 D402 D418 D103	801-02529-01 801-02835-00 801-02002-00 801-01010-00 801-01004-00 9 801-04120-00 801-04082-00 801-04039-00 **801-04039-00 **801-04051-00 **801-04300-00 804-08060-00	1S1835 TVR-2D DBA10G 1N4004S 12 V ZENER (GZA 12Y) 8.2 V ZENER (GZA 8.2Y) 9.1V ZENER (GZA 9.1Y) 3.9V ZENER (UZ 3.9B) 5. 1V ZENER (GAZ 5.1Y) 30V ZENER (GZA 30Y)

SCHEMATIC NO.	PART NO.	DESCRIPTION
601 VR101 VR203, 205 VR204 VR201	C01-B103B-C0 C01-B503B-C0	10KB H-HOLD V-HEIGHT 200KB V-HOLD 10MM ROTARY VR10KB CONTRAST
R295 R129, 130 R128 R108 R309 R288 R270, 294 R102, R229, 230, 231 R433 R109, 206, 243 R242	ESISTOR +/-5% D01-A056C-D0 D01-A010C-D0 D01-A100C-D0 D01-A270C-D0 D01-A470C-D0 D01-A680C-D0 D01-A820C-D0 D01-A101C-D0 D01-A151C-D0 D01-A181C-D0 D01-A221C-D0 D01-A241C-D0 D01-A331C-D0	5.6 OHM 1 OHM 10 OHM 27 OHM 47 OHM 68 OHM 82 OHM 100 OHM 150 OHM 180 OHM 220 OHM 240 OHM
611 R209 R223, 286, 287 430 R125, 126, 236, 245, 259 R211, 216, 227, 228, 246, 247, 434, 625	D01-A391C-D0 , D01-A471C-D0 D01-A561C-D0	390 OHM 470 OHM 560 OHM
266 R106, 110, 115, 118, 131, 240, 251, 252, 282, 420, 421, 120 R426, 427, 462 467, 468, 469, 470, 471, 472, 627, 235 R205, R208, 213, 237	D01-A122C-D0 D01-A122C-D0 D01-D152C-D0	1 KOHM 1.2 KOHM
621	D01-A182C-D0 D01-A222C-D0 D01-A242C-D0 D01-A272C-D0 D01-A332C-D0	2.2 KOHM 2.4 KOHM 2.7 KOHM
607 R267, 268	D01-A362C-D0 , D01-A392C-D0	

SCHEMATIC NO.	PART NO.	DESCRIPTION		SCHEN NO.	MATIC F	PART NO.
P406 407 613	D01-A472C-D0	4.7 KOHM		METAL	OXIDE RE	SISTOR
P105 122 207	D01-A562C-D0	5.6 KOHM	1	2050	,	004-D561C-F0
414	D01-A302C-D0	3.0 101111		R301.	302	004-D821C-F0
	, D01-A682C-D0	68 KOHM		R292	[004-D222C-F0
	, DO 1-AUGZC-DO	0.0 1011111		R306		D04-D027C-G0
440, 450, 473,				1 2211	I	004-D100C-G0
476, 606, 612	D01-A822C-D0	O 2 VOUM		R121	i	D04-D390C-G0
	DU1-A622C-DU	O.Z KOTIWI		R626	Ī	D04-D221C-G0
609	D01-A103C-D0	10 KOHM		R290		D04-D222C-G0
	D01-A103C-00	10 101 1111		R616		D04-D003C-H0
293,401, 402,			,	D614	260	D04-D120C-H0
404, 409, 422,	C4		-	B256.	615	D04-D120C-H0
463, 438,460,4				R257		D04-D822C-H0
R443, 444, 447	•		ĺ			D04-D153C-H0
610 R280	D01-A153C-D0	15 KOHM				D04-D222C-I0
		18 KOHM		1.000		- •
R283	D01-A183C-D0	30 KOHM		FUSIB	LE RESISTO)R
R124 R220, 281, 415		20 1011141		R310		D03-E100C-F0
HZZU, ZBI, 415	, DO1 4 223C DO	22 KOHM		R312		D03-E043C-G0
439, 433	D01-A223C-D0	24 KOHM				
R3U3,448	D01-A243C-D0 D01-A273C-D0	27 KOHM	:	NON-	INFLAMMA	BLE RESISTOR
D274,	, D01-A333C-D0	33 KOHM		R601		D03-G040D-J0
249, 403, 408,		00 K01				
410, 411, 412,			ì	R605		D03-G022D-H
417. 418						
R431, 432, 455				R313		D03-G039D-H
P271 AA2	D01-A363C-D0	зе конм				
D203 278	D01-A393C-D0	39 KOHM		R617		D03-G390D-K
D203, 270	D01-A333C-D0	47 KOHM		1,0.7		
P103 204 263	2, D01-A563C-D0	56 KOHM		R602		D06-H300Z-00
304, 445	., 501-43000 50	00 110 1111				
	D01-A683C-D0	68 KOHM		CARB	ON COMPO	SITION RESIS
R250	D01-A683C-D0	82 KOHM				D05-B565D-F0
R201 218 228	, D01-A0230-D0	100 KOHM				D05-B184D-F0
263, 296, 419,				C242	, 413	E04-B200A-00
456, 457, 465						
	D01-A124C-D0	120 KOHM			MIC CAPAC	CITOR
RASA	DO1-4224C-DO	220 KOHM				F01-C020F-A0
R277, 279	D01-A244C-D0	240 KOHM	• .	C281		F01-C050F-C0
R239	D01-A334C-D0	330 KOHM		C241		F01-C100F-C0
R134	D01-A394C-D0					F01-C150F-C0
R260	D01-A564C-D0			C243	439	F01-C220F-C0
R112, 298	D01-A824C-D0			C137	, 257	F01-C270F-C0
	3017.324000	322		C401	, 402	F01-C300F-C0
CARRON FILM	RESISTOR +/-5%	1/2W		C202		F01-C330F-C0
R289	D01-A361C-F0	360 OHM				F01-C470F-C0
R307	D01-A371C-F0					F01-C560F-C0
R315	D01-A272C-F0	10 KOHM				F01-C680F-C0
R623, 624	D01-A104C-F0	100 KOHM		C206	3, 211, 239	F01-C390F-C0
R314	D01-A154C-F0	150 KOHM		C429		F01-C820F-C0
R622	D01-A153C-F0					F01-C101F-C0
11022	501-A1550-1-0					F01-C151F-C0
METAL FILM R	ESISTOR			C282	2. 283. 284	F01-C201F-C0
R272	D00-C153B-D0	15 KOHM ±	/-2% 1/4W			F01-C221F-C0
R273	D00-C153B-D0	150 KOHM	+/-2% 1/4W	1 1	274, 435	,
11270	500-015-00	100 101 111	, , = , 0 1/ 1/1			, F01-C331F-C0
				434	.,, 400,	, <u> </u>
				C418	1	F01-C391F-C0
				C258		F01-C561F-C0
				5250	-	
				1		

SCHEMATIC NO.	PART NO.	DESCRIPTION
METAL OXIDE	RESISTOR	
	DO4 DEC10 ED	560 OHM +/-5% 1/2W
P201 202	D04-D821C-F0	
N301, 302	D04-D321C-F0	
H292	004-02220-60	
R258 R301, 302 R292 R306 R311 R121 R626	D04-D027C-G0	
R311	D04-D100C-G0	
R121	D04-D390C-G0	
R626	D04-D221C-G0	220 OHM +/-5% 1W
R290	D04-D222C-G0	2.2 KOHM +/-5% 1W
D614 260	DO4 D120C-H0	0.33 OHM +/-5% 2W 12 OHM +/-5% 2W
R014, 200	D04-D120C-110	27 OHM 1/5% 2W
H256, 615	D04-D270C-R0	27 OHM +/-5% 2W
R257	D04-D822C-H0	8.2 KOHM +/-5% 2W
R413		15 KOHM +/-5% 2W
R257 R413 R308	D04-D222C-I0	2.2 KOHM +/-5% 3W
FUSIBLE RES		
R310	D03-E100C-F0	10 OHM +/-5% 1/2W
R312	D03-E043C-G0	4.3 OHM +/-5% 1W
1		
NON-INFLAM	MABLE RESISTOR	
	D03-G040D-J0	4 OHM +/-10% 5W
1.00		KW-SQZ
Dene	D03-G022D-H0	
R605	D03-G022D-110	KW-KNP
R313	D03-G039D-H0	
		KW-KNP
R617	D03-G390D-K0	39 OHM +/-10% 6W
		KW-KNP
R602	D06-H300Z-00	P.T.C. THERMISTOR
CARBON CO	MPOSITION RESIST	DR
R618, 619	D05-B565D-F0	5.6 MOHM +/-10% 1/2W
R603, 604	D05-B184D-F0	180 KOHM +/-10% 1/2W
C242, 413	E04-B200A-00	TRIMMER CAPACITOR 201
02.2,	•••••	
CERAMIC CA	APACITOR	
C124 125	F01-C020F-A0	2PF 50V +/-0.25PF 5PF 50V +/-5%
C281	E01-C050E-C0	5PF 50V +/-5%
	F01-C100F-C0	10PF 50V +/-5%
C241		
C126, 224, 4	231 FUI-C15UF-CU	15PF 50V +/-5%
C243, 439	F01-C220F-C0	22PF 50V +/-5% 27PF 50V +/-5%
C137, 257	F01-C270F-C0	2/PF 50V +/-5%
C401, 402	F01-C300F-C0	30PF 50V +/-5%
C202	F01-C330F-C0	33PF 50V +/-5%
C127, 128, 4	106 F01-C470F-C0	47PF 50V +/-5%
C212 235 4	407 F01-C560F-C0	56PF 50V +/-5%
C212, 200,	F01-C680F-C0	68PF 50V +/-5%
C207, 245	FO1-C0001-C0	39PF 50V +/-5%
	239 F01-C390F-C0	33FF 50V +/-576
C429	F01-C820F-C0	
C233, 414	F01-C101F-C0	100PF 50V +/-5% 150PF 50V +/-5%
C222, 437,	438 F01-C151F-C0	150PF 50V +/-5%
C282, 283,	284 F01-C201F-C0	200PF 50V +/-5%
C205, 210.	229, F01-C221F-C0	220PF 50V +/-5%
230, 274, 4	35	
C209 214	433 F01-C331F-C0	330PF 50V +/-5%
434	.55, . 5 . 555 56 .	
i i	E01-03015 00	390PF 50V +/-5%
C418	FO1 CEE15 CO	560PF50V +/-5%
C258	FU1-C301F-CU	300FF3UV +7-370

103F-G0 0 104F-G0 0 203F-G0 0 102F-D0 1 221N-D0 2 2472N-D0 0 2220-D0 0 2220-D0 0 2229-E0 4 ACITOR 223H-D0 0 333H-D0 0 104H-D0 0 224H-D0 0 474H-D0 0 474H-D0 0	0.01UF 50V +80- 0.02UF 50V +80- 0.02UF 50V +/- 0.00PF 50V +/- 0.0047UF 500V -/- 0.0047UF 1KV 0.0047UF 1KV 0.0047UF 1KV 0.0047UF 100V 0.033UF 100V 0.015UF 100V +- 0.047UF 100V 0.047UF 100V	20% 0-20% 10% +/-10% +/-10% -/-10% 0.0022UF 6 +/-10% 0% (-10%	C134, 279 C276 C120, 133 C607 C612 C314 C273 C106 C244, 265, 275, 428, 271 C109, 130, 138, 203, 225, 226, 227, 234, 236, 254, 255, C262, 263, 411, 417, 426, 419, 427, 431 C115, 307, 429 C280 C302, 423, 606 617 C618 C301 C305 C316, 619 C303 C615 C616 C604	F01-E225F- *F01-E225F- *F01-N225F- ,F01-E106F-E F01-E227F- F01-E227F- F01-E106H- F01-E475I-I F01-E476I-I F01-E107I-F
104F-G0 0 203F-G0 0 102F-D0 1 221N-D0 2 2472N-D0 0 22220-D0 0 2222W-E0 A ACITOR 223H-D0 0 333H-D0 0 104H-D0 0 224H-D0 0 474H-D0 0	0.1UF 50V +80-1 0.02UF 50V +80-1 0.00PF 50V +/- 0.0047UF 500V -/- 0.0047UF 1KV 0.0047UF 1KV 0.0047UF 1KV 0.0047UF 1KV 0.0047UF 100V 0.033UF 100V 0.033UF 100V 0.022UF 100V +/-1 0.025UF 100V	20% 0-20% 10% +/-10% +/-10% -/-10% 0.0022UF 6 +/-10% 0% (-10%	C134, 279 C276 C120, 133 C607 C612 C314 C273 C106 C244, 265, 275, 428, 271 C109, 130, 138, 203, 225, 226, 227, 234, 236, 254, 255, C262, 263, 411, 417, 426, 419, 427, 431 C115, 307, 429 C280 C302, 423, 606 617 C618 C301 C305 C316, 619 C303 C615 C616 C604	F01-E227C- F01-E477C- F01-E108C-I F01-E227D- F01-E228D- F01-E225F- F01-E224F- F01-E474F- F01-E105F-I *F01-E105F-I *F01-E225F- F01-E106F-E F01-E227F- F01-E227F- F01-E227F- F01-E106H- F01-E475I-I F01-E476I-I F01-E107I-F F01-E107M-F01-E107M
203F-G0 0 102F-D0 1 221N-D0 2 2472N-D0 0 2220-D0 0 222W-E0 A ACITOR 223H-D0 0 333H-D0 0 104H-D0 0 224H-D0 0 474H-D0 0	0.02UF 50V +80 000PF 50V +/- 220PF 500V +/- 0.0047UF 500V 0.0022UF 1KV - 0.0047UF 1KV - AC CAPACITOR 6 AC400V +/-209 0.022UF 100V - 0.033UF 100V - 0.1UF 100V +/-1 0.22UF 100V + 0.015UF 100V -	20% 0-20% 10% 10% +/-10% +/-10% 0.0022UF 6 +/-10% 0% (-10%	C276 C120, 133 C607 C612 C314 C273 C106 C244, 265, 275, 428, 271 C109, 130, 138, 203, 225, 226, 227, 234, 236, 254, 255, C262, 263, 411, 417, 426, 419, 427, 431 C115, 307, 429 C280 C302, 423, 606 617 C618 C301 C305 C316, 619 C303 C615 C616 C604	F01-E477C- F01-E108C- F01-E227D- F01-E228D- F01-E225F- F01-E224F- F01-E474F- F01-E105F- *F01-E105F- *F01-E106F- F01-E227F- F01-E227F- F01-E227F- F01-E106H- F01-E475I- F01-E476I- F01-E476I- F01-E107M- F01-E107M- F01-E107M
203F-G0 0 102F-D0 1 221N-D0 2 2472N-D0 0 2220-D0 0 222W-E0 A ACITOR 223H-D0 0 333H-D0 0 104H-D0 0 224H-D0 0 474H-D0 0	0.02UF 50V +80 000PF 50V +/- 220PF 500V +/- 0.0047UF 500V 0.0022UF 1KV - 0.0047UF 1KV - AC CAPACITOR 6 AC400V +/-209 0.022UF 100V - 0.033UF 100V - 0.1UF 100V +/-1 0.22UF 100V + 0.015UF 100V -	20% 0-20% 10% 10% +/-10% +/-10% 0.0022UF 6 +/-10% 0% (-10%	C120, 133 C607 C612 C314 C273 C106 C244, 265, 275, 428, 271 C109, 130, 138, 203, 225, 226, 227, 234, 236, 254, 255, C262, 263, 411, 417, 426, 419, 427, 431 C115, 307, 429 C280 C302, 423, 606 617 C618 C301 C305 C316, 619 C303 C615 C616 C604	F01-E108C-F01-E227D-F01-E225F-F01-E224F-F01-E105F-F01-E225F-F01-E106F-F01-E227F-F01-E106F-F01-E227F-F01-E106H-F01-E475I-F01-E107M-F01-E1
203F-G0 0 102F-D0 1 221N-D0 2 2472N-D0 0 2220-D0 0 222W-E0 A ACITOR 223H-D0 0 333H-D0 0 104H-D0 0 224H-D0 0 474H-D0 0	0.02UF 50V +80 000PF 50V +/- 220PF 500V +/- 0.0047UF 500V 0.0022UF 1KV - 0.0047UF 1KV - AC CAPACITOR 6 AC400V +/-209 0.022UF 100V - 0.033UF 100V - 0.1UF 100V +/-1 0.22UF 100V + 0.015UF 100V -	20% 0-20% 10% 10% +/-10% +/-10% 0-0022UF 6 +/-10% 0% (-10%	C607 C612 C314 C273 C106 C244, 265, 275, 428, 271 C109, 130, 138, 203, 225, 226, 227, 234, 236, 254, 255, C262, 263, 411, 417, 426, 419, 427, 431 C115, 307, 429 C280 C302, 423, 606 617 C618 C301 C305 C316, 619 C303 C615 C616 C604	F01-E476D- F01-E227D- F01-E225F- F01-E224F- F01-E474F- F01-E105F- F01-E105F- *F01-N225F- *F01-N225F- F01-E226F- F01-E227F- F01-E227F- F01-E106H- F01-E475I- F01-E476I- F01-E476I- F01-E107M- F01-E107M- F01-E107M
203F-G0 0 102F-D0 1 221N-D0 2 2472N-D0 0 2220-D0 0 222W-E0 A ACITOR 223H-D0 0 333H-D0 0 104H-D0 0 224H-D0 0 474H-D0 0	0.02UF 50V +80 000PF 50V +/- 220PF 500V +/- 0.0047UF 500V 0.0022UF 1KV - 0.0047UF 1KV - AC CAPACITOR 6 AC400V +/-209 0.022UF 100V - 0.033UF 100V - 0.1UF 100V +/-1 0.22UF 100V + 0.015UF 100V -	20% 0-20% 10% 10% +/-10% +/-10% 0-0022UF 6 +/-10% 0% (-10%	C612 C314 C273 C106 C244, 265, 275, 428, 271 C109, 130, 138, 203, 225, 226, 227, 234, 236, 254, 255, C262, 263, 411, 417, 426, 419, 427, 431 C115, 307, 429 C280 C302, 423, 606 617 C618 C301 C305 C316, 619 C303 C615 C616 C604	F01-E225F- F01-E225F- F01-E224F- F01-E474F- F01-E105F- F01-E225F- *F01-N225F, F01-E106F- F01-E227F- F01-E227F- F01-E106H- F01-E475I- F01-E476I- F01-E476I- F01-E107M- F01-E107M- F01-E107M
203F-G0 0 102F-D0 1 221N-D0 2 2472N-D0 0 2220-D0 0 222W-E0 A ACITOR 223H-D0 0 333H-D0 0 104H-D0 0 224H-D0 0 474H-D0 0	0.02UF 50V +80 000PF 50V +/- 220PF 500V +/- 0.0047UF 500V 0.0022UF 1KV - 0.0047UF 1KV - AC CAPACITOR 6 AC400V +/-209 0.022UF 100V - 0.033UF 100V - 0.1UF 100V +/-1 0.22UF 100V + 0.015UF 100V -	20% 0-20% 10% 10% +/-10% +/-10% 0-0022UF 6 +/-10% 0% (-10%	C314 C273 C106 C244, 265, 275, 428, 271 C109, 130, 138, 203, 225, 226, 227, 234, 236, 254, 255, C262, 263, 411, 417, 426, 419, 427, 431 C115, 307, 429 C280 C302, 423, 606 617 C618 C301 C305 C316, 619 C303 C615 C616 C604	F01-E225F- F01-E225F- F01-E474F- F01-E105F- F01-E225F- *F01-N225F, F01-E106F-E F01-E227F- F01-E227F- F01-E106H- F01-E475I- F01-E476I- F01-E476I- F01-E107M- F01-E107M
203F-G0 0 102F-D0 1 221N-D0 2 2472N-D0 (2220-D0	0.02UF 50V +80 000PF 50V +/- 220PF 500V +/- 0.0047UF 500V 0.0022UF 1KV - 0.0047UF 1KV - AC CAPACITOR 6 AC400V +/-209 0.022UF 100V - 0.033UF 100V - 0.1UF 100V +/-1 0.22UF 100V + 0.015UF 100V -	20% 0-20% 10% 10% +/-10% +/-10% 0-0022UF 6 +/-10% 0% (-10%	C314 C273 C106 C244, 265, 275, 428, 271 C109, 130, 138, 203, 225, 226, 227, 234, 236, 254, 255, C262, 263, 411, 417, 426, 419, 427, 431 C115, 307, 429 C280 C302, 423, 606 617 C618 C301 C305 C316, 619 C303 C615 C616 C604	F01-E225F- F01-E105F- F01-E105F- F01-E225F- *F01-N225F, F01-E106F- F01-E227F- F01-E106H- F01-E475I- F01-E476I- F01-E107I-F
203F-G0 0 102F-D0 1 221N-D0 2 2472N-D0 (2220-D0	0.02UF 50V +80 000PF 50V +/- 220PF 500V +/- 0.0047UF 500V 0.0022UF 1KV - 0.0047UF 1KV - AC CAPACITOR 6 AC400V +/-209 0.022UF 100V - 0.033UF 100V - 0.1UF 100V +/-1 0.22UF 100V + 0.015UF 100V -	20% 0-20% 10% 10% +/-10% +/-10% 0.0022UF 6 +/-10% 0% (-10%	C106 C244, 265, 275, 428, 271 C109, 130, 138, 203, 225, 226, 227, 234, 236, 254, 255, C262, 263, 411, 417, 426, 419, 427, 431 C115, 307, 429 C280 C302, 423, 606 617 C618 C301 C305 C316, 619 C303 C615 C616 C604	F01-E224F- F01-E474F- F01-E105F- *F01-E225F- *F01-N225F, F01-E106F- F01-E227F- F01-E227F- F01-E106H- F01-E475I- F01-E476I- F01-E107I-F
203F-G0 0 102F-D0 1 221N-D0 2 2472N-D0 (2220-D0	0.02UF 50V +80 000PF 50V +/- 220PF 500V +/- 0.0047UF 500V 0.0022UF 1KV - 0.0047UF 1KV - AC CAPACITOR 6 AC400V +/-209 0.022UF 100V - 0.033UF 100V - 0.1UF 100V +/-1 0.22UF 100V + 0.015UF 100V -	20% 0-20% 10% 10% +/-10% +/-10% 0.0022UF 6 +/-10% 0% (-10%	C106 C244, 265, 275, 428, 271 C109, 130, 138, 203, 225, 226, 227, 234, 236, 254, 255, C262, 263, 411, 417, 426, 419, 427, 431 C115, 307, 429 C280 C302, 423, 606 617 C618 C301 C305 C316, 619 C303 C615 C616 C604	F01-E225F- *F01-E225F- *F01-E226F- F01-E226F- F01-E227F- F01-E106H- F01-E475I- F01-E476I- F01-E107I-F01-E107M
203F-G0 0 102F-D0 1 221N-D0 2 2472N-D0 (2220-D0	0.02UF 50V +80 000PF 50V +/- 220PF 500V +/- 0.0047UF 500V 0.0022UF 1KV - 0.0047UF 1KV - AC CAPACITOR 6 AC400V +/-209 0.022UF 100V - 0.033UF 100V - 0.1UF 100V +/-1 0.22UF 100V + 0.015UF 100V -	10% 10% +/-10% +/-10% -/-10% 0.0022UF 6 -/-10% 0% (-10%	C244, 265, 275, 428, 271 C109, 130, 138, 203, 225, 226, 227, 234, 236, 254, 255, C262, 263, 411, 417, 426, 419, 427, 431 C115, 307, 429 C280 C302, 423, 606 617 C618 C301 C305 C316, 619 C303 C615 C616 C604	F01-E225F- *F01-E225F- *F01-E106F- F01-E226F- F01-E227F- F01-E106H- F01-E475I- F01-E476I- F01-E107I-F
203F-G0 0 102F-D0 1 221N-D0 2 2472N-D0 (2220-D0	0.02UF 50V +80 000PF 50V +/- 220PF 500V +/- 0.0047UF 500V 0.0022UF 1KV - 0.0047UF 1KV - AC CAPACITOR 6 AC400V +/-209 0.022UF 100V - 0.033UF 100V - 0.1UF 100V +/-1 0.22UF 100V + 0.015UF 100V -	10% 10% +/-10% +/-10% -/-10% 0.0022UF 6 -/-10% 0% (-10%	428, 271 C109, 130, 138, 203, 225, 226, 227, 234, 236, 254, 255, C262, 263, 411, 417, 426, 419, 427, 431 C115, 307, 429 C280 C302, 423, 606, 617 C618 C301 C305 C316, 619 C303 C615 C616 C604	F01-E225F- *F01-E225F- *F01-E106F- F01-E226F- F01-E227F- F01-E106H- F01-E475I- F01-E476I- F01-E107I-F
203F-G0 0 102F-D0 1 221N-D0 2 2472N-D0 (2220-D0	0.02UF 50V +80 000PF 50V +/- 220PF 500V +/- 0.0047UF 500V 0.0022UF 1KV - 0.0047UF 1KV - AC CAPACITOR 6 AC400V +/-209 0.022UF 100V - 0.033UF 100V - 0.1UF 100V +/-1 0.22UF 100V + 0.015UF 100V -	10% 10% +/-10% +/-10% -/-10% 0.0022UF 6 -/-10% 0% (-10%	C109, 130, 138, 203, 225, 226, 227, 234, 236, 254, 255, C262, 263, 411, 417, 426, 419, 427, 431 C115, 307, 429 C280 *C302, 423, 606 617 C618 C301 C305 C316, 619 C303 C615 C616 C604	F01-E225F- *F01-N225F, F01-E106F- F01-E226F, F01-E476F- F01-E106H, F01-E476I- F01-E107I-F01-E107M
221N-D0 2 2472N-D0 (2220-D0 (2220-D0 (2220-D0 (2220-D0 (2220-D0 (2220-D0 (2220-D0 (2220-D0 (2220-D0 (2230-D0 (2230-D0 (2240-D0 (2240-D0 (2240-D0 (4740-D0 (2240-D0 (4740-D0 (2240-D0 (4740-D0 (4740-D0 (2240-D0 (4740-D0 (4740-D0 (2240-D0 (4740-D0 (4740-D0 (2240-D0 (4740-D0 (4	000PF 50V +/- 220PF 500V +/- 0.0047UF 500V 0.0022UF 1KV - 0.0047UF 1KV - AC CAPACITOR (AC400V +/-209 0.022UF 100V - 0.033UF 100V - 0.1UF 100V +/-1 0.22UF 100V + 0.015UF 100V -	+/-10% +/-10% +/-10% -/-10% 0.0022UF 6 -/-10% -/-10%	203, 225, 226, 227, 234, 236, 254, 255, C262, 263, 411, 417, 426, 419, 427, 431 C115, 307, 429 C280 * C302, 423, 606 617 C618 C301 C305 C316, 619 C303 C615 C616 C604	F01-E225F- *F01-N225F, F01-E106F- F01-E226F, F01-E476F- F01-E106H, F01-E476I- F01-E107I-F01-E107M
221N-D0 2 2472N-D0 0 2220-D0 0 24720-D0 0 222W-E0 A ACITOR 223H-D0 0 333H-D0 0 104H-D0 0 224H-D0 0 474H-D0 0	220PF 500V +/- 0.0047UF 500V 0.0022UF 1KV - 0.0047UF 1KV - AC CAPACITOR AC400V +/-209 0.022UF 100V - 0.033UF 100V - 0.1UF 100V +/-1 0.22UF 100V + 0.015UF 100V -	+/-10% +/-10% -/-10% D.0022UF 6 -/-10% -/-10%	227, 234, 236, 254, 255, C262, 263, 411, 417, 426, 419, 427, 431 C115, 307, 429 C280 * C302, 423, 606 617 C618 C301 C305 C316, 619 C303 C615 C616 C604	F01-E225F- *F01-N225F, F01-E106F-I F01-E226F- F01-E476F- F01-E106H- F01-E475I- F01-E476I- F01-E107I-F
221N-D0 2 2472N-D0 0 2220-D0 0 24720-D0 0 222W-E0 A ACITOR 223H-D0 0 333H-D0 0 104H-D0 0 224H-D0 0 474H-D0 0	220PF 500V +/- 0.0047UF 500V 0.0022UF 1KV - 0.0047UF 1KV - AC CAPACITOR AC400V +/-209 0.022UF 100V - 0.033UF 100V - 0.1UF 100V +/-1 0.22UF 100V + 0.015UF 100V -	+/-10% +/-10% -/-10% D.0022UF 6 -/-10% -/-10%	254, 255, C262, 263, 411, 417, 426, 419, 427, 431 C115, 307, 429 C280 ** C302, 423, 606 617 C618 C301 C305 C316, 619 C303 C615 C616 C604	F01-E225F- *F01-N225F, F01-E106F- F01-E226F F01-E476F F01-E227F F01-E106H F01-E475I- F01-E476I- F01-E107I-I F01-E107M
221N-D0 2 2472N-D0 0 2220-D0 0 24720-D0 0 222W-E0 A ACITOR 223H-D0 0 333H-D0 0 104H-D0 0 224H-D0 0 474H-D0 0	220PF 500V +/- 0.0047UF 500V 0.0022UF 1KV - 0.0047UF 1KV - AC CAPACITOR AC400V +/-209 0.022UF 100V - 0.033UF 100V - 0.1UF 100V +/-1 0.22UF 100V + 0.015UF 100V -	+/-10% +/-10% -/-10% D.0022UF 6 -/-10% -/-10%	C262, 263, 411, 417, 426, 419, 427, 431 C115, 307, 429 C280 *C302, 423, 606 617 C618 C301 C305 C316, 619 C303 C615 C616 C604	F01-E225F- *F01-N225F, F01-E106F- F01-E226F F01-E476F F01-E227F F01-E106H F01-E475I- F01-E476I- F01-E107I-I F01-E107M
2472N-D0 (2220-D0 (2220-D0 (2220-E0))))))))))))))))))))	0.0047UF 500V 0.0022UF 1KV - 0.0047UF 1KV - AC CAPACITOR AC400V +/-209 0.022UF 100V - 0.033UF 100V - 0.1UF 100V +/-1 0.22UF 100V -	+/-10% -/-10% -/-10% 0.0022UF 6 -/-10% -/-10% 0% (-10%	417, 426, 419, 427, 431 C115, 307, 429 C280 *C302, 423, 606 617 C618 C301 C305 C316, 619 C303 C615 C616 C604	F01-E225F- *F01-N225F, F01-E106F-I F01-E226F- F01-E476F- F01-E106H- F01-E475I- F01-E476I- F01-E107I-F
2472N-D0 (2220-D0 (2220-D0 (2220-E0))))))))))))))))))))	0.0047UF 500V 0.0022UF 1KV - 0.0047UF 1KV - AC CAPACITOR AC400V +/-209 0.022UF 100V - 0.033UF 100V - 0.1UF 100V +/-1 0.22UF 100V -	+/-10% -/-10% -/-10% 0.0022UF 6 -/-10% -/-10% 0% (-10%	427, 431 C115, 307, 429 C280 *C302, 423, 606 617 C618 C301 C305 C316, 619 C303 C615 C616 C604	*F01-N225F, F01-E106F-I F01-E226F F01-E476F-I F01-E227F F01-E106H-F01-E475I-F01-E476I-F01-E107I-F
2472N-D0 (2220-D0 (2220-D0 (2220-E0))))))))))))))))))))	0.0047UF 500V 0.0022UF 1KV - 0.0047UF 1KV - AC CAPACITOR AC400V +/-209 0.022UF 100V - 0.033UF 100V - 0.1UF 100V +/-1 0.22UF 100V -	+/-10% -/-10% -/-10% 0.0022UF 6 -/-10% -/-10% 0% (-10%	C115, 307, 429 C280 *C302, 423, 606 617 C618 C301 C305 C316, 619 C303 C615 C616 C604	*F01-N225F, F01-E106F- F01-E226F F01-E476F F01-E227F F01-E106H F01-E475I- F01-E476I- F01-E107I-I
2472N-D0 (2220-D0 (2220-D0 (2220-E0))))))))))))))))))))	0.0047UF 500V 0.0022UF 1KV - 0.0047UF 1KV - AC CAPACITOR AC400V +/-209 0.022UF 100V - 0.033UF 100V - 0.1UF 100V +/-1 0.22UF 100V -	+/-10% -/-10% -/-10% 0.0022UF 6 -/-10% -/-10% 0% (-10%	C280 C302, 423, 606 617 C618 C301 C305 C316, 619 C303 C615 C616 C604	*F01-N225F, F01-E106F- F01-E226F F01-E476F F01-E227F F01-E106H F01-E475I- F01-E107I-I-E107N
2220-D0 (C4720-D0 (C4720-D0 (C4720-D0 (C4720-D0 (C4740-D0 (C4744-D0 (C4744-D	0.0022UF 1KV - 0.0047UF 1KV - AC CAPACITOR AC400V +/-209 0.022UF 100V - 0.033UF 100V - 0.1UF 100V +/-1 0.22UF 100V + 0.015UF 100V -	-/-10% -/-10% D.0022UF 6 -/-10% -/-10% 0% (-10%	C280 C302, 423, 606 617 C618 C301 C305 C316, 619 C303 C615 C616 C604	*F01-N225F, F01-E106F-I F01-E226F F01-E476F-I F01-E227F F01-E106H-F01-E475I-F01-E476I-F01-E107I-F
2220-D0 (C4720-D0 (C4720-D0 (C4720-D0 (C4720-D0 (C4740-D0 (C4744-D0 (C4744-D	0.0022UF 1KV - 0.0047UF 1KV - AC CAPACITOR AC400V +/-209 0.022UF 100V - 0.033UF 100V - 0.1UF 100V +/-1 0.22UF 100V + 0.015UF 100V -	-/-10% -/-10% D.0022UF 6 -/-10% -/-10% 0% (-10%	C302, 423, 606 617 C618 C301 C305 C316, 619 C303 C615 C616 C604	F01-E226F F01-E476F F01-E227F F01-E106H F01-E475I- F01-E476I- F01-E107I-I F01-E107M
ACITOR 223H-D0 (333H-D0 (104H-D0 (224H-D0 (474H-D0 (474H-	0.0047UF 1KV - AC CAPACITOR AC400V +/-209 0.022UF 100V - 0.033UF 100V -/-1 0.22UF 100V +/-1 0.015UF 100V -/-	-/-10% D.0022UF 6 -/-10% -/-10% O% (-10%	617 C618 C301 C305 C316, 619 C303 C615 C616 C604	F01-E226F F01-E476F F01-E227F F01-E106H F01-E475I- F01-E476I- F01-E107M
ACITOR 223H-D0 (333H-D0 (104H-D0 (224H-D0 (474H-D0 (474H-	AC CAPACITOR AC400V +/-209 0.022UF 100V - 0.033UF 100V -/-1 0.22UF 100V +/-1 0.015UF 100V -	0.0022UF 6 -/-10% -/-10% 0% (-10%	C618 C301 C305 C316, 619 C303 C615 C616 C604	F01-E476F F01-E227F F01-E106H F01-E475F F01-E476F F01-E107N
ACITOR 223H-D0 (333H-D0 (104H-D0 (224H-D0 (153H-D0 (474H-D0 (0.022UF 100V - 0.033UF 100V - 0.1UF 100V +/-1 0.22UF 100V + 0.015UF 100V -	6 -/-10% -/-10% 0% (-10%	C301 C305 C316, 619 C303 C615 C616 C604	F01-E476F F01-E227F F01-E106H F01-E475F F01-E476F F01-E107N
ACITOR 223H-D0 (333H-D0 (104H-D0 (224H-D0 (153H-D0 (474H-D0 (0.022UF 100V - 0.033UF 100V - 0.1UF 100V +/-1 0.22UF 100V + 0.015UF 100V -	-/-10% -/-10% 0% /-10%	C305 C316, 619 C303 C615 C616 C604	F01-E227F F01-E106H F01-E475I- F01-E476I- F01-E107I-I
223H-D0 (333H-D0 (104H-D0 (224H-D0 (153H-D0 (474H-D0 (0.033UF 100V +/-1 0.1UF 100V +/-1 0.22UF 100V + 0.015UF 100V +	-/-10% 0% /-10%	C316, 619 C303 C615 C616 C604	F01-E106H F01-E475I- F01-E476I- F01-E107I-I F01-E107M
223H-D0 (333H-D0 (104H-D0 (224H-D0 (153H-D0 (474H-D0 (0.033UF 100V +/-1 0.1UF 100V +/-1 0.22UF 100V + 0.015UF 100V +	-/-10% 0% /-10%	C303 C615 C616 C604	F01-E475I- F01-E476I- F01-E107I-I F01-E107M
223H-D0 (333H-D0 (104H-D0 (224H-D0 (153H-D0 (474H-D0 (0.033UF 100V +/-1 0.1UF 100V +/-1 0.22UF 100V + 0.015UF 100V +	-/-10% 0% /-10%	C615 C616 C604	F01-E476I- F01-E107I-I F01-E107M
333H-D0 (104H-D0 (224H-D0 (153H-D0 (474H-D0 (0.033UF 100V +/-1 0.1UF 100V +/-1 0.22UF 100V + 0.015UF 100V +	-/-10% 0% /-10%	C616 C604	F01-E107I-F
104H-D0 (224H-D0 (153H-D0 (474H-D0 (0.1UF 100V +/-1 0.22UF 100V +, 0.015UF 100V +	0% /-10%	C604	F01-E107M
224H-D0 (153H-D0 (474H-D0 (0.22UF 100V +. 0.015UF 100V +	/-10%		-
153H-D0 (474H-D0 (0.015UF 100V +	1 1		
474H-D0 (PCB001 *	*G01-A819A
	0.4/UF 100V ÷		1 00001	001710107
332H-D0 (1102	H05-0102
,	0.0033UF 100V	+/-10%	L102	
			L104	H05-01034
CAPCITOR	(B TYPE)		L201	H05-0104A
	0.0015UF 50V -	÷/-5%	L105, 106, 401	
	0.0056UF 50V		L202	H05-0106
	0.003UF 50V +		L101	H05-0111A
	0.01UF 50V +/-		L302 *	*H13-0203.
1031-00	0.0101 300 +/-	J / 1	L602	H02-0101A
CARACITOR	,		L601	H02-1031A
CAPACITOR		1100/	T101	H01-1301A
	0.0022UF 630V		T102, 103	H01-1302A
	0.01UF 200V +			H01-1302A
	0.047UF 200V		T104	
2563K-D0 (0.056UF 200V	÷/-10%	T205	H01-1401A
524K-D0 (0.52UF 200V +	/-10%		
			T206	H01-1402A
			T203	H01-1403A
2220 00	0.002207 .200	, , , , ,	T204	H01-1404A
TOP			T201, 202	H01-1405A
	CODE EOV - / EI	,		H01-07014
680F-CU	68PF 50V +/-5	70		H01-1801A
				101-0401A
			1301	101-0401A-
337B-E0	330UF 10V +/-	20%	T000	
			T302	112-0501A
106C-E0	10UF 16V +/-20)%		
			T601	107-0601A
		1 1		
		1 1		
	7722P-C0 72220-D0 FOR 680F-C0 FTOR (SING) 337B-E0	7722P-C0 0.0072UF 1.6KV 72220-D0 0.0022UF 1200 FOR 680F-C0 68PF 50V +/-5° TTOR (SINGLE ENDED TYPE) 337B-E0 330UF 10V +/-2	P722P-C0 0.0072UF 1.6KV +/-5% P2220-D0 0.0022UF 1200V /-10%	7722P-C0 0.0072UF 1.6KV +/-5% 72220-D0 0.0022UF 1200V /-10% FOR 680F-C0 68PF 50V +/-5% 1TOR (SINGLE ENDED TYPE) 337B-E0 330UF 10V +/-20% 106C-E0 10UF 16V +/-20%

NO.	PART NO.	DESCRIPTION
428, 271 C109, 130, 138	F01-E227C-E0 F01-E477C-E0 F01-E108C-E0 F01-E476D-E0 F01-E227D-E0 F01-E228D-E0 F01-E225F-D0 F01-E224F-E0 5, F01-E474F-E0	1000UF 16V +/-20% 47UF 25V +/-20% 220UF 25V +/-20% 1000UF 25V +/-20% 2.2UF 50V +/-10%
203, 225, 226, 227, 234, 236, 254, 255, C262, 263, 41, 417, 426, 419, 427, 431, C115, 307, 429, C280, C302, 423, 60, 617	1,	2.2UF 50V +/-20% 2.2UF 50V N.P. +/-20% 10UF 50V +/-20%
C618 C301 C305 C316, 619 C303 C615 C616 C604 PCB001		100UF 160V +50-10% 100UF 400V +50-10% MAIN P.C. BOARD 291MM
L102 L104 L201 L105, 106, 401 L202 L101 L302 L602 L601 T101 T102, 103 T104 T205	H05-0102A-00 H05-0103A-00 H05-0104A-00 H05-0105A-00 H05-0111A-00 **H13-0203A-00 H02-0101A-00 H02-1031A-00 H01-1301A-00 H01-1303A-00 H01-1401A-00	PEAKING COIL 5.6UH PEAKING COIL 8.2UH PEAKING COIL 15UH PEAKING COIL 33UH PEAKING COIL 100UH CHOKE COIL 1UH CHOKE COIL 90UH CHOKE COIL 5UH PIF MATCHING COIL PIF DET COIL
T206 T203 T204 T201, 202 DL202 T105, 106 T301	H01-1402A-00 H01-1403A-00 H01-1404A-00 H01-1405A-00 H01-0701A-00 H01-1801A-00 I01-0401A-00	BURST CLEANING COIL BELL FILTER COIL IDENT COIL DISCRI BURST Y-DELAY LINE 7MM TRAP COIL HORIZONTAL DRIVE TRANSFORMER
T302	112-0501A-00 107-0601A-00	FLYBACK TRANSFORMER CF65A SWITCHING TRANSFORMER

DESCRIPTION

SCHEMATIC NO.	PART NO.	DESCRIPTION	SCHEMATIC NO.	PART NO	0.	DESCRIPTION
	VENUE COMMENTOE		***CRT P.C.	***CRT P.C.B. ASSEMBLY***		
	V-TYPE CONNECTOR J05-0102A-00	2 PIN WAFER				
SOCKET C	JU5-0102A-00	TL-25P-02-V1	TRANSISTO		_	
SOCKET B	**J05-0104A-00	4 PINS WAFER	Q501, 502.	503 A01-C4	82D-00	2SC2482
000.12.		TL-25P-04-V1				
SOCKET A	**J05-0109A-00	9 PINS WAFER	SEMI-FIXED	RESISTOR		
	100 04044 00	TL-25P-09-V1 SMK M-1 CONNECTOR		**C01-A5	02B-C0	500B (RVF8W01-501) G.B.
SOCKET Y	J03-0401A-00	WAFER 1 PIN				- DRIVE
SOCKET G	J03-0406A-00		V4503, 504	, C01-A5	03B-C0	5KB (RVF8W01-502) R.G.B.
SOCKET G	303-040074 00	WAFER 6 PINS	505			- CUT OFF
SOCKET E,F	J05-01010-00	TAIKO TS-80 CONNECTOR	CARRON EI	LM RESISTOR	2 1//\\/	-/-5%
				503, D01-A1		150 OHM
SOCKE D	J05-0106A-00	6 PINS WAFER TL-25P-06-V1	504	303, 501 71		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
X201	M07-A4434-00	CRYSTAL 4.43361875MHz	304			
X401		CRYSTAL 4.00 MHZ	CARBON CO	OMPOSITION	RESISTO	OR 1/2W +/-10%
	NO1-02B01-01	TUNER B/G SYSTEM (UVE33-W14)	R508, 509,	510 D05-B4	172C-F0	4.7 KOHM
		(UVE33-VVI4)	Ì			
INTEGRATED	CIRCUIT		METAL OXI	DE RESISTOF	₹	47 160 174 0144 1 1 707
IC101	001-01240-00	TA7680AP	R505, 506,	507 D04-D1	153C-H0	15 KOHM 2W +/-5%
IC202	001-02420-00	TA7698AP				
IC201	004-01300-00	M51397AP	CERAMIC C		025.00	.001UF 50V +/-10%
IC406	007-06020-00	L5630	C506		02F-D0 1720-D0	
IC401	**004-01420-00	M50431-101SP	C507 C504, 505		+720-00 · 321F-D0	820PF 50V +/-10%
IC404	**004-01140-00	M58655P	PCB002		18E-00	CRT PCB 90MM X 66M X
IC403	**004-01160-00	M50453-012	FC8002	301-A1	102 00	1.6MM
IC403	**004-01080-00	M51923P		V01-05	5001-60	PICTURE TUBE SOCKET
IC405	**007-02090-00	LA7910	CRT			, , , , , , , , , , , , , , , , , , , ,
CF101	X02-01001-00	CERAMIC FILTER SFE5.5 MHZ	GROUNDIN	G J05-01	010-00	TAIKO TS-80 CONNECTOR
CF102	X02-02001-00	CERAMIC FILTER TPS5.5				
CF102	XUZ-02001-00	MHZ		JMPER AWG		
SAW101	X01-03002-00	TV PIF SAW FILTER	L2/L3=3.5	MM S02-D:	2812-IA	280MM RED J1
071101	701 00002 00	F1037B	TINNED		004414	280MM YELLOW J2
DL201	Y02-01401-01	ULTRASONIC DELAY LINE	L2/L3=3.51	MM 502-D	2814-IA	280MM FELLOW 32
		ALTERNATE	TINNED L2/L3=3.5	MM SD2-D	2810-IA	280MM BLACK J3
		(Y03-01401-01) GLASS	TINNED	VIIVI 302-D.	2010-17	2001/11/1 82 10 11 00
		DELAY LINE OR EFD-END-	THAIRED			
		EN645A11G	CONNECTO	R ASSEMBL	Y	
	•	(6704-030200-00)			101A-00	SMK M-1 CONNECTOR 1
SINGLE ILIN	MPER WIRE AWG22					PIN
	M X 2 NON TINNED)					WIRE TYPE: AWG24,
(22/23-3111	S02-B1210-EA	120MM BLACK A,0				STRAND, 1007 UL/CSA
	S02-B1316-EA	130MM BLUE J				APPROVED L1=320MM, WHITE L2=3.5MM
	S02-B1011-EA	100MM BROWN B				TINNED
1	S02-B1512-EA	150MM RED C.K.	00000	105.0	E044 02	
	S02-B1713-EA	170MM ORANGE D	SOCKET H	305-0	504A-02	WIRE TYPE: AWG24,
	S02-B1719-EA	170MM WHITE H.L.I			>	STRAND 1007 UL/CSA
	S02-B1915-EA	190MM GREEN G				APPROVED
1	S02-B2017-EA					PIN 1 L1=320MM GREEN
	S02-B2114-EA					L2=3.5MM TINNED
	S02-B1810-EA	the state of the s				PIN 2 L1=320 BLUE
1	V06-20001-00	DITAGO I III				L2=3.5MM TINNED
					'	PIN 3 L1=320MM RED
	•					L2=3.5MM TINNED
			1			PIN 4 L1=320MM BLACK
			1 1			L2=3.5MM TINNED

SCHEMATIC NO.	PART NO.	DESCRIPTION				
CONTROL P.C.B. ASSEMBLY						
Q701	A01-A105E-00	2SA1015Y				
CARBON FILM I R707 R704 R701 R705 R703 R706 R702	RESISTOR 1/4W - D01-A221C-D0 D01-A222C-D0 D01-A047C-D0 D01-A562C-D0 D01-A223C-D0 D01-A823C-D0 D01-A224C-D0	220 OHM 2.2 KOHM 4.7 OHM 5.6 KOHM 22 KOHM 82 KOHM				
CERAMIC CAPA C705 C703		0.02UF 50V +80-20% 330PF 50V +/-5%				
ELECTROLYTIC C702 C701 C704	F01-E335F-E0 F01-E105F-E0	3.3UF 50V +/-20% 1UF 50V +/-20% 47UF 10V +/-20%				
		CONTROL P.C. BOARD CHOKE COIL 100UH				
SW701, 702, 703, 704, 705	K13-0101A-01	TACT SWITCH (SHAFT LENGTH 1.5MM) ALTERNATE (K07-0101A-01)				
	K13-0101A-02	TACT SWITCH (SHAFT LENGTH 6MM) ALTERNATE				
IC701 LD701	016-01080-00 P01-06010-00	(K07-0101A-02) IC CX20106A PHOTO DIODE TPS703 ALTERNATE PH302				
LD702	P01-01010-00	(P04-06010-00) LED RED TLR124				
SOCKET B	J05-0204A-01	TAIKO CONNECTOR 4 PINS H-TL25H04 B1-T 001T-5100 WIRE TYPE: AWG26 STRAND, 1007 PIN 1 L1=260MM BLACK L2=3.5MM TINNED PIN 2 L1=320MM RED L2=3.5MM TINNED PIN 3 L1=260MM WHITE L2=3.5MM TINNED PIN 4 L1=260MM YELLOW L2=3.5MM TINNED				

SCHEMATIC NO.	PART NO.	DESCRIPTION
SOCKET A	**J05-0209A-00	TAIKO CONNECTOR 9 PINS WIRE TYPE: AWG24, STRAND, 1007 UL/CSA APPROVED PIN 1 L1=230MM BROWN L2=3.5MM TINNED PIN 2 L1=230MM RED L2=3.5MM TINNED PIN 3 L1=230MM ORANGE L2=3.5MM TINNED PIN 4 L1=230MM YELLOW L2=3.5MM TINNED PIN 5 L1=230MM GREEN L2=3.5MM TINNED PIN 6 L1=230MM BLUE L2=3.5MM TINNED PIN 7 L1=230MM VIOLET L2=3.5MM TINNED PIN 8 L1=230MM WHITE L2=3.5MM TINNED PIN 8 L1=230MM BLACK L2=3.5MM TINNED

SCHEMATIC NO.	PART NO	DESCRIPTION	SCHEMATIC NO.	PART NO.	DESCRIPTION
	P.C.B. ASSEMBLY*	••			
A.V. INPUT	ACE ASSEMBLY		***COMPONE	ENT NOT MOUNTED	O ON PCB
TRANSISTOR Q1101, 1102, 1 Q1103	104A01-C815E-00 A01-A015E-00	2SC1815Y 2SA1015Y	L2001	L02-01003-00	SPEAKER 8 OHM 1W COLOR PICTURE TUBE
DIODE D1101, 1102	B01-01148-00	1N4148		J05-0202A-00	CONNECTOR 2 PIN
CARBON FILM R1110	RESISTOR +/-5% D01-A101C-D0	100 OHM			WIRE TYPE: AWG24, STRAND, 1007 UL/CSA APPROVED
R1105 R1108 R1106	D01-A471C-D0 D01-A272C-D0 D01-A332C-D0	2.7 KOHM			PIN 1 L1=320MM BLACK L2=3.5MM
R1104 R1109, 1101 R1102, 1103	D01-A562C-D0 D01-A103C-D0 D01-A223C-D0	5.6 KOHM 10 KOHM			TINNED PIN 2 L1=320MM WHITE L2=3.5MM
R1107	D01-A822C-D0	8.2 KOHM	FOR CRT		TINNED
ELECTRLYTIC C1101, 1102 C1104 C1103	F01-E106C-E0	2.2UF 50V +/-20% 10UF 16V +/-20% 4.7UF 25V +/-20%	GROUNDING.	J05-0101A-10	TAIKO TS-80 CONNECTOR 1 PIN WIRE TYPE: AW24,
C1112	F01-E107C-E0 ** G01-A819H-20	100UF 16V +/-20% AV INPUT P.C. BOARD (40MM X 83MM X			STRAND 1015 UL/CSA APPROVED L1=280MM BLACK L2=10MM NON-TINNED
SOCKET D	** J05-0206A-01	CONNECTOR 6 PINS	*****AC LINE	E FILTER PC3 ASSE	MBLY****
		WIRE TYPE: AWG26 STRAND UL1007 PIN 1 L1=110MM	C1202, 1201	F05-P474 V-E0	FILM CAPACITOR 0.47UF AC 250V
		BROWN L2=3.5MM TINNED	L1201	**.G01-A 819F-02	AC LINE FILTER P.C. BOARD
		PIN 2 L1=120MM RED L2=3.5MM TINNED PIN 3 L1=120MM		H16 -0601C -00 ++ S05-A2620 - 0D	AC LINE FILTER AC LINE CORD VDE 2.6 M VDE
		ORANGE L2=3.5MM TINNED	SW1201	K14-0201E-00	POWER SWITCH "ITT" 2 PIT
		PIN 4 L1=150MM YELLOW L2=3.5MM TINNED	F1201	V01-02010-00 V04-06001-00	FUSE T2A AC 250V FUSE HOLDER
·		PIN 5 L1=140MM GREEN L2=3.5MM TINNED PIN 6 L1=110MM BLUE L2=3.5MM TINNED	FOR D2 (NEUTRAL LIN	J05-0101A-11 IE)	TAIKO TS-80 CONNECTOR 1 PIN WIRE TYPE: AWG22, STRAND DOUBLE INSULATION,
•	V03-11001-00	SCART SOCKET (21 PIN)		``	1617 UL/CSA APPROVED L1=460MM BLUE
			FOR D1 (LIVE LINE)	J05-0101A-12	L2=10MM NON-TINNED TAIKO TS-80 CONNECTOR 1 PIN WIRE TYPE: AWG22, STRAND DOUBLE INSULATION 1617 UL/CSA APPROVED L1=460MM BROWN L2=10MM NON-TINNED
		·	REMARK: ***	NEW PARTS	

DESCRIPTION SCHEMATIC PART NO. NO. ***HAND SET PCB ASSEMBLY*** TRANSISTOR Q801 A01-C815E-00 2SC1815Y 2SC2120-Y 0802 A01-C120E-00 DIODE B01-01148-00 IN4148 D801 B01-01001-00 IN4001 D802 CARBON FILM RESISTOR 1/4W +/-5% R801, 802 D01-A010C-D0 1 OHM D01-A101C-D0 100 OHM R804 D01-A223C-00 22 KOHM R803 ELECTROLYTIC CAPACITOR (SINGLE ENDED TYPE) F01-E107B-E0 100UF 10V +/-20% CERAMIC CAPACITOR F01-C101FC-C0 100PF 50V +/-5% C801, 802 **G01-B819E-02 HAND SET P.C.B BOARD M01-B4551-00 CERAMIC RESONATOR X801 455KHz INTEGRATED CIRCUIT IC M50560-001P 004-01200-00 IC801 LD801, 802 B01-06110-00 **INFRARED LED TLN105** ALTERNATE INFRARED LED SE303 A-C (B02-06110-00) STRAND JUMPER WIRE AWG26 (UL 1007) L2/L3=3.5MM S00-D4002-JA 40MM RED B+ TINNED L2/L3=3.5MM S00-D4000-JA 40MM BLACK B-

TINNED

SPECIFICATIONS

Television Systems : B/G system for 625 lines

Colour System : PAL

Channel Coverage : VHF(L) Channel 2 to 4

VHF(H) Channel 5 to 12

S1' to S3' 3 For CATV only S1 to S2 S3 to S20 — For CATV only

UHF Channel 21 to 69

Picture Tube Size : 37 cm

Aerial : 75 ohm Unbalance (EXIT)

Speaker : 8 Ohm Audio Output : 1.5W

Power Requirements: AC 230V 50 Hz Power Consumption: 60W (MAX.)

Dimensions (WxHxD): 388mm x 362 mm x 370 mm

Weight : 10.5 Kg.

^{*} Design and specifications are subject to change without notice.